SELF-ASSESSMENT REPORT ON THE QUALITY OF EDUCATION IN THE DOCTORAL SCHOOL

Szkoła Doktorska Uniwersytetu Medycznego w Lublinie

Uniwersytet Medyczny w Lublinie

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VISITING CARD

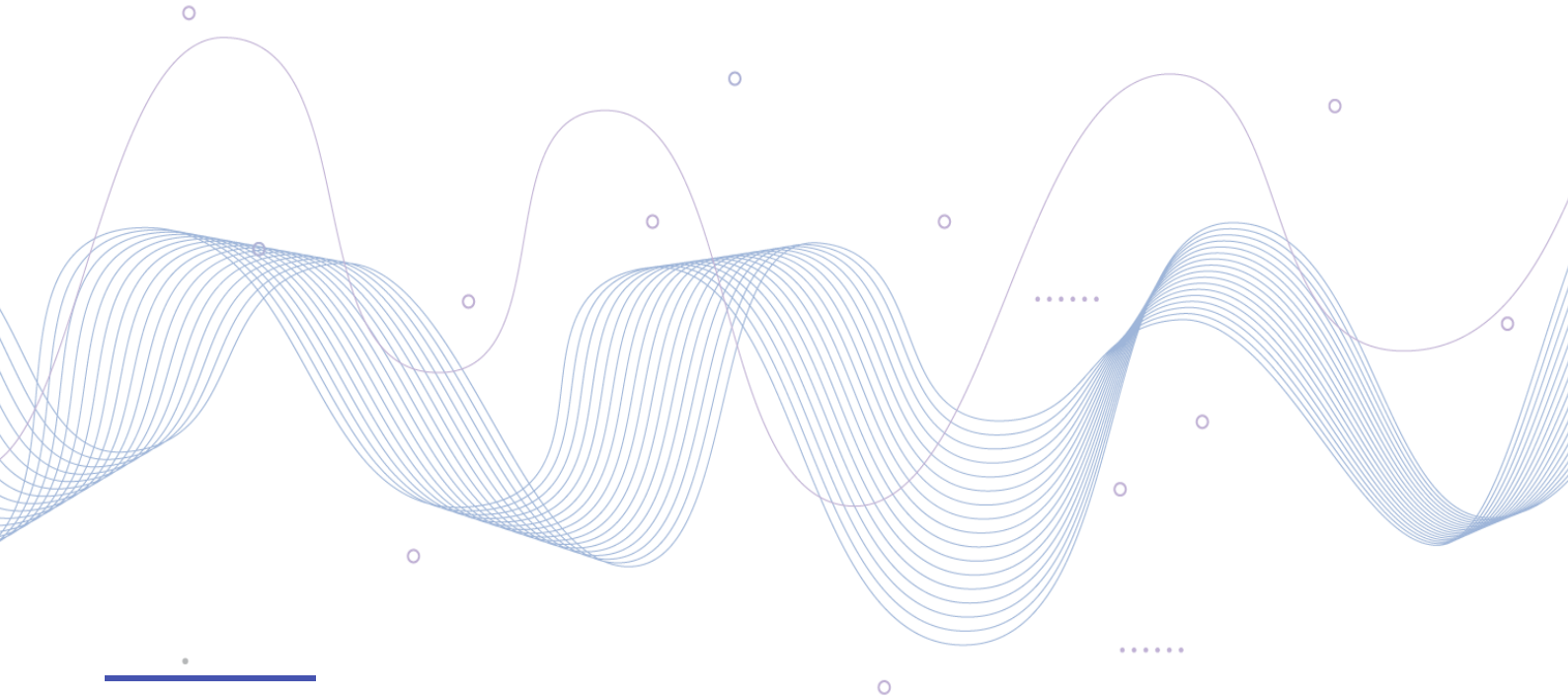
Basic Information about the Doctoral School

Year of Creation

2019

Institution running the doctoral school

Uniwersytet Medyczny w Lublinie



Field of Education	Education Disciplines
Medical and health sciences	pharmacology and pharmacy health sciences medical sciences

Name/Scope of the Education Program (PL)	Name/Scope of the Education Program (EN)
Program kształcenia w Szkole Doktorskiej	The Curriculum of the Doctoral School

Characteristics of the Doctoral School

The Doctoral School of the MUL implements its mission through five pillars: recruitment based on high academic standards, an interdisciplinary curriculum, internationalisation, quality assurance, and effective administrative support. These areas align with strategic goals focused on strengthening research competences, improving teaching quality, building an international academic environment, and ensuring sound organisational management. The School is headed by the Dean, who oversees strategic planning, internal regulations, recruitment procedures, cooperation with Discipline Councils and the Doctoral Students' Council, financial supervision, and all administrative decisions concerning doctoral candidates.
The School's structure includes the Doctoral School Council (11 members), appointed by the Rector. The Council develops recruitment rules, the curriculum, and internal regulations; cooperates with Discipline Councils in procedures for awarding the doctoral degree; appoints examination committees and mid-term evaluation teams; supports internationalisation; and prepares internal evaluations. A representative of the Doctoral Students' Council participates in the Council's work to ensure transparency and effective communication with doctoral candidates.
Strategic goals are implemented by dedicated programme teams responsible for recruitment, curriculum review, internal evaluation, internationalisation, and grants. Additional coordinators supervise Erasmus+ mobility, quality assurance, teaching internships, mid-term evaluation, and monitoring of academic and teaching performance. The Doctoral School Employers' Forum—comprising representatives of the University, healthcare institutions, and the pharmaceutical and digital health sectors—consults on the curriculum and recruitment policy, strengthening the practical dimension of doctoral training.
The School educates doctoral candidates in medical, pharmaceutical, and health sciences in interdisciplinary 3- and 4-year bilingual (Polish–English) programmes. The curriculum consists of compulsory and elective courses organised into 6 modules, completed with micro-credentials. An important element of the programme is group scientific mentoring conducted by experts and visiting professors. All doctoral candidates receive scholarships and financial support for participation in conferences, training, and research internships.
During the evaluation period, 341 doctoral candidates were enrolled, including 12 international students. Among 44 graduates between 2019 and 2025, 89% initiated the doctoral degree procedure, and 75% successfully defended the dissertation. Thirty-eight graduates are employed at the MUL, demonstrating high research and teaching capacity. The School's academic staff includes 270 academic staff (lecturers, supervisors, and assistant supervisors), among them professors, visiting professors, habilitated doctors, and experienced researchers engaged in national and international scientific collaborations.
Internationalisation is a key priority. Doctoral candidates participate in Erasmus+, NAWA, and other mobility programmes, undertaking research placements, training, and scientific projects. In 2024/2025, the MIND Programme—International Research Initiative for Doctoral Candidates—was launched, supporting international cooperation through mini-grants. To date, 12 doctoral candidates have taken part in Erasmus+, and 23 have completed placements through NAWA and other mobility schemes. From 2025/2026, 70 candidates will benefit from short-term international mobilities under the NAWA PROM programme. International doctoral candidates receive dedicated support, including Polish language courses, English-language classes, and individual assistance provided by the Dean's Office.
Research conducted by doctoral candidates covers immunology, oncology and inflammatory diseases, neuromedicine, cognitive functioning and AI in diagnostics, imaging and surgical medicine, pharmacology and targeted therapies, women's health, midwifery, public health, health behaviours, and population health. Doctoral students achieve notable scientific results: internships in leading research centres, participation in NCN, NCBiR, MNiSW, and international projects, as well as patents, scholarships, and involvement in clinical studies. Since 2019, 34 doctoral candidates have conducted research funded by scientific grants, while 17 competitive grants—including Industrial Doctorates, Perły Nauki, and Preludium—were individually obtained by doctoral candidates. Doctoral students have participated in five EU-funded projects (including EU4Health) and six projects supported by ABM or NCBiR. Publication output amounts to 2889.995 IF and 103,200 Ministry points, including 432 publications rated at 140 points and 37 at 200 points.
Doctoral candidates are supported by a well-developed research infrastructure: the Experimental Medicine Centre, the Main Library, the Medical Education Centre, the Project Office, and the Doctoral Students' Council, which collaborates with the School on initiatives such as the Grant Factory.

The School offers additional support mechanisms, including the Doctoral Ombudsperson, the "Doctoral Students' Friend" initiative recognising staff members particularly supportive of doctoral development, and the award for the best doctoral dissertation. The School actively disseminates information about its activities and achievements through social media and academic events. Numerous grants, publications, awards, and scientific accomplishments confirm the high quality of education, the effectiveness of the teaching process, and the strong academic position of the Doctoral School of the MUL.

Additional Information about the Doctoral School

Educating Staff

Numerical data for the evaluation period

Educating Staff	Instructors	Supervisors	Assistant Supervisors
Number of people	270	215	109

Doctoral Students

Number of doctoral students (total): 341

Recruitment during the evaluation period	2019/ 2020	2020/ 2021	2021/ 2022	2022/ 2023	2023/ 2024	2024/ 2025	Total
Number of recruited doctoral students	49	50	68	67	66	42	342
Number of doctoral students who completed the doctoral school	27	17	0	0	0	0	44
Number of doctoral students removed from the doctoral student list	9	5	7	5	4	0	30

Mid-term evaluation results	Positive	Negative
Number of Doctoral Students	234	1

Educational Programs	Number of Doctoral Students
The Curriculum of the Doctoral School	341

Additional Numerical Data on Doctoral Students

Number of foreign doctoral students	12
Number of doctoral students with disabilities	7
Number of doctoral students in the Implementation Doctorate program	6
Number of doctoral students in the EU program	0
Number of doctoral students employed by the institution running the doctoral school as academic teachers or research staff	38

Graduates

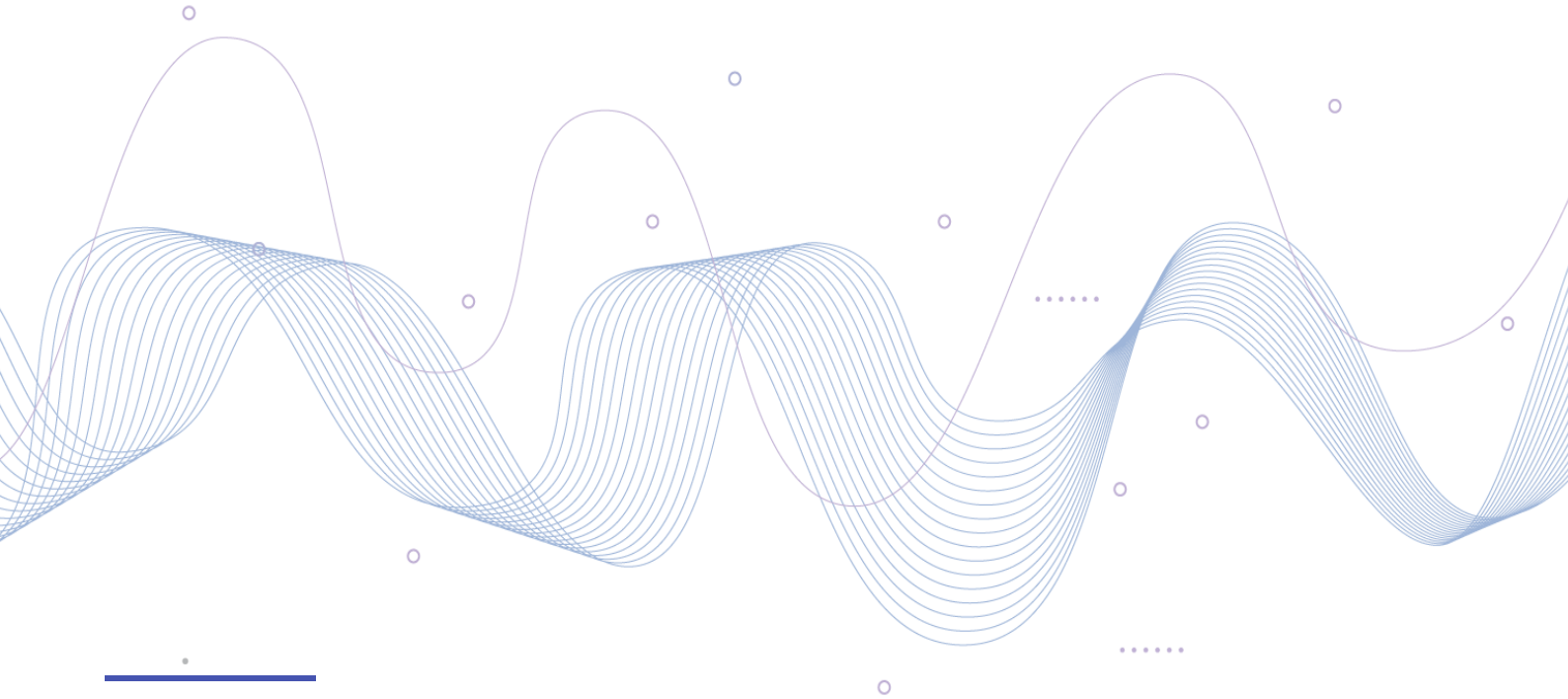
Numerical data for the evaluation period

Number of graduates who applied for initiation of proceedings for the award of a doctoral degree	39
Number of doctoral students who completed the doctoral school	33

INFORMATION ON THE ENTITY'S COOPERATION WITH THE DOCTORAL STUDENTS' COUNCIL

The cooperation between the Doctoral School of MUL and the Council of Doctoral Students is continuous, partnership-based, and institutional. The Council serves as the key representative body of the doctoral community, actively participating in consultations concerning curricula, regulations of Doctoral School, admission procedure, scholarship, grant procedures, as well as in the work of the Council of the Doctoral School and MUL Senate. Doctoral students serve as members of the Advisory Teams: the Recruitment, the Curriculum Review, the Doctoral School Evaluation, the Internationalisation, and the Grant Application Advisory Teams.
In the period covered by evaluation, the School and the Council jointly initiated and implemented scientific, training, and integrative projects. The most significant include the doctoral conferences *Onco PhD* and *Go!PhD*, co-organisation of the 21st Congress of Delegates of the National Representation of Doctoral Students, the *Scientific Coffee Meeting* series promoting interdisciplinary exchange, co-organisation of the Quality Excellence Days at MUL (DZJUMLA), as well as activities within the projects *Lublin Akademicki*, *Innovation in Education*, and other initiatives. Jointly organised training sessions and workshops, e.g. *Full-Fledged in Science,* strengthened doctoral students' awareness of their rights, research competences, and soft skills. At the regional level, doctoral candidates co-created the Lublin Doctoral Agreement, including holding the position of Secretary, and served as delegates to the congresses of the National Representation of Doctoral Students and the Doctoral Forum of Medical Universities. Continuous communication with the Doctoral Ombudsperson and support units enabled the ongoing monitoring of the needs, well-being, and learning conditions of doctoral students. These activities demonstrate systemic model of cooperation focused on educational quality, scientific development, and the integration of doctoral community.

INFORMATION ON THE DOCTORAL SCHOOL GROUPED BY 8 EVALUATION CRITERIA



1. Adequacy of the education program and individual research plans to the learning outcomes for qualifications at PRK level 8 and their implementation

The implementation of the education program at the Doctoral School of the Medical University of Lublin (UML) leads to the achievement of learning outcomes corresponding to qualifications at level 8 of the Polish Qualifications Framework (PQF), in accordance with the requirements of the Integrated Qualifications System. Education is carried out on the basis of a program developed by the Council of the Doctoral School, reviewed by the Doctoral Students' Council, and approved by the University Senate. The programs for individual education cycles are common for the disciplines of medical sciences, pharmaceutical sciences, and health sciences, and constitute annexes to the relevant Senate resolutions. The education program is published on the University's website no later than five months before the start of the admission process. The learning outcomes defined in the program are adequate to level 8 PQF and reflect the requirements set for individuals holding the highest level of qualifications in the national education system.

Due to the sustainability requirements of two projects funded by the European Union, programme modifications during the evaluation period were selective in nature. A comprehensive revision of the education programme was carried out, scheduled to take effect from the 2025/2026 academic year. This process was preceded by the work of the Committee for the Revision of the Education Programme and the Evaluation of Doctoral Students' Progress, composed of representatives of all three disciplines and doctoral candidates. The proposed changes were systematically discussed during meetings of the Doctoral School Council and reviewed by the Doctoral Students' Council before being submitted to the University Senate for approval.

The implementation of the education program ensures the achievement of all learning outcomes through a balanced structure of modules, including compulsory and elective courses, seminars, and research workshops. Doctoral students participate in regular seminar meetings where they present their research results and receive feedback. The system of supervisory support includes regular meetings with the supervisor, monitoring progress in the implementation of the Individual Research Plan (IRP), and annual evaluations. Education in the field of knowledge is provided through courses in research design and methodology (P8S-WG), specialized lectures, and scientific seminars. Doctoral students acquire knowledge of research funding and grant management (P8S-WK) and develop awareness of the principles of disseminating research results, including open-access publishing. Skills related to dissemination of research results, scientific communication, and the use of knowledge from various fields (P8S-UW, P8S-UO) are developed through courses in research design, presentation, and communication. The ability to communicate effectively in an international academic environment (P8S-UK, P8S-UU) is strengthened during doctoral symposia, summer and winter schools, and specialized English courses. Social competences such as critical analysis, responsibility, and research ethics (P8S-KK, P8S-KO, P8S-KR) are developed during courses on research funding, project design, and elective subjects.

The Individual Research Plan (IRP) enables the achievement of learning outcomes in the areas of knowledge and skills corresponding to P8S-WG, P8S-WK, P8S-UW, P8S-UO, and P8S-UU qualifications. Doctoral students are able to define the aim and subject of research, formulate hypotheses, select appropriate research methods, and plan and carry out research projects with defined milestones. The IRP is subject to expert evaluation and continuous monitoring by the supervisor.

Interdisciplinarity in the education process is ensured through elective courses open to doctoral students from different disciplines, joint seminars and interdisciplinary conferences, as well as participation in summer/winter schools and cross-disciplinary workshops. Interdisciplinary research projects are promoted and implemented in cooperation between research teams. The involvement of auxiliary supervisors or co-supervisors from other fields allows the integration of diverse scientific perspectives. Doctoral students develop transferable skills through courses on creative thinking, problem-solving process analysis, coaching, and grant proposal preparation.

In summary, the education program is coherent and aligned with the learning outcomes required for qualifications at level 8 PQF. It is implemented in a manner that supports the acquisition of advanced knowledge, skills, and social competences, including interdisciplinary abilities essential for conducting independent research and functioning within the international academic environment.

2. Method of verifying learning outcomes for qualifications at PRK level 8

Education at the Doctoral School of the Medical University of Lublin includes compulsory courses, developmental activities, elective classes, and professional placements. The minimum number of hours for each thematic block is defined for every educational cycle. Classes are delivered in the form of lectures, seminars, and practical exercises, and are consistent across the disciplines of medical sciences, pharmaceutical sciences, and health sciences.
The implementation and verification of learning outcomes are updated for subsequent education cycles and presented in the Learning Outcomes Table, which links each outcome to specific forms of delivery and verification. The structure of the table is consistent across all fields and study cycles conducted at the Medical University of Lublin.
A detailed list of course contents, learning objectives, expected outcomes, organizational forms of classes, teaching methods, and tools used in the educational process are specified in the course syllabus. The syllabi for educational cycles beginning in the years 2019 to 2024 are available in paper form at the School Dean's Office, and for the 2025-2029 educational cycle, they are available via the e-syllabus platform. Additionally, they are discussed by the responsible teacher during the first class meeting. The syllabus templates are standardized for all fields and cycles of education conducted at the Medical University of Lublin.
The principles of verifying learning outcomes are defined in the syllabus and are uniform for all study fields and education cycles, ensuring transparency and accessibility for doctoral students and academic staff alike.
The course of study at the Doctoral School is documented in course completion records, periodic achievement cards, mid-term reports on the implementation of the Individual Research Plan (second year), and annual reports on the implementation of the Individual Research Plan (other years). Grades and assessments are entered electronically by course teachers. Any cases of doubt concerning the award of credit are subject to review by the Dean’s Council.

Verification of learning outcomes at level 8 of the Polish Qualifications Framework (PRK) in the area of knowledge P8S-WG (depth and scope) is carried out primarily through multiple-choice tests (MCQ), multiple-response questions (MRQ), quizzes, assigned tasks (e.g., familiarity with procedures, execution of specific tasks within a system, preparation of individual or group reports or summaries on a given topic), or development of a multimedia presentation based on exercise guidelines. Additionally, teachers continuously monitor doctoral students’ progress in achieving learning outcomes through direct observation of activity and engagement during classes. Verification of knowledge P8S-WK (context) is conducted through oral or written examinations (e.g., discussing a selected topic) and assigned tasks (e.g., understanding of systems or principles of project writing). The ability to apply knowledge to problem-solving and task performance (P8S-UW) is most often verified through individual or team projects prepared under the instructor’s supervision, interpretation of case studies, preparation of research reports, and development of a project’s logical matrix in accordance with competition requirements. Observation during role-playing exercises, interview simulations, and self-presentation sessions is also employed.
Communication on specialist topics and dissemination of research results (P8S-UK) is verified through active participation in the Doctoral Symposium (poster or oral presentation), assessed by members of the relevant Council. Dissemination of research outcomes and participation in academic discourse, including in English, are verified through active participation in conferences and summer/winter schools.
Preparation of a grant proposal and lesson plan serves to verify outcomes related to planning and implementing individual and team research or creative projects (P8S-UO). Developing class outlines and learning assessment tools verifies the ability to independently plan and act for one’s own development and that of others (P8S-UU). Planning and conducting classes using modern methods and tools (also P8S-UU) is verified through completion of assigned tasks, such as preparation and delivery of teaching sessions.
In the area of social competences, readiness for critical evaluation of achievements in the discipline, contribution to its development, and recognition of the importance of knowledge in problem-solving (P8S-KK) is most frequently verified through extended observation by the supervisor or execution of an assigned task. For verification of P8S-KO (fulfilment of social obligations and acting for the public good), methods such as observation, 360° evaluation, and self-assessment are commonly used. Maintaining and developing the ethos of the academic and creative environment (P8S-KR) is verified through qualitative description (e.g., the societal or disciplinary impact of the research), observation by instructors, and self-assessment.
Documentation confirming achievement of the intended learning outcomes is stored by instructors in electronic or paper form. The verification process is monitored and periodically reviewed by the Council of the Doctoral School as part of the University’s Quality Assurance System, enabling identification of areas for improvement in assessment methods.
Some courses have a specialized and individualized character, aimed at enhancing doctoral students’ competencies within their research projects. Doctoral students may accumulate learning outcomes from various scientific activities (a “portfolio”), including participation in conferences, summer/winter schools, specialist lectures and workshops, and research visits to domestic or foreign institutions. These activities are organized outside traditional coursework, and learning outcomes are verified based on supporting documentation such as training certificates, research reports, or conference abstract books. Specialist lectures are verified based on attendance records, and summer/winter schools through completion certificates. Considering changing socio-economic and technological conditions, verification of learning outcomes—particularly in the area of skills—is increasingly conducted through e-learning platforms, the Knowledge and Research Potential Management Portal, and the Polish Medical Platform.
A separate aspect concerns the verification of learning outcomes achieved during professional placements. Outcomes gained through observation-based participation (20 hours) are verified using the Doctoral Student Professional Practice Card, which records details of the observed classes and their instructors. The document must be signed by the course coordinator and the supervisor(s). It is recommended that participation take place in classes taught by the doctoral student’s supervisor. Independent teaching activity (60 hours during the education cycle) is recorded in the unit’s schedule and verified by the appropriate administrative department. Credit is awarded upon submission of the Doctoral Student Professional Practice

Card, approved by both the supervisor and course coordinator. The quality of teaching provided by doctoral students is analyzed based on student surveys and class observations. Starting from the 2025/2026 academic year, a Coordinator for Professional and Teaching Practice has been appointed to oversee the implementation of this component of the doctoral education process.

Learning outcomes defined in the curriculum are complemented by those achieved under the Individual Research Plan. Verification of these outcomes takes place during the Doctoral Symposium. The symposium format has evolved across cycles in response to feedback from doctoral students and supervisors. Currently, third-year doctoral students are preparing a multimedia presentation outlining the progress of their Individual Research Plan together with the research results. The presentations are evaluated by committees appointed for each discipline. Doctoral students from the remaining years are required to attend the symposium and participate in the discussion. For the 2024/2025 cohort, assessment forms have been slightly revised to include additional points for English-language discussion and supervisor attendance during presentations. Moreover, all doctoral students submit an annual progress report on their Individual Research Plan, while second-year students also provide a mid-term report.

The reliability of the learning-outcomes verification process at the Medical University of Lublin is overseen by the Doctoral School Council and the University Teaching Quality Assurance System, which also includes the Quality Assurance Coordinator at the Doctoral School. Doctoral students can assess the quality of education and learning outcomes verification methods through annual surveys conducted via the Student Platform, which evaluate both instructors and courses. Low participation in surveys remains a challenge; therefore, corrective actions have been implemented to enhance doctoral student engagement, including: email reminders and system notifications about active surveys, the option to complete surveys immediately after course completion, guaranteed anonymity and data security, presentation of survey results and actions taken in response.

In summary, the principles governing verification of learning outcomes at the Medical University of Lublin are clear, transparent, and accessible to all participants in the educational process. Systematic quality improvement actions and continuous evaluation of assessment methods ensure high standards of reliability and integrity in verifying learning outcomes aligned with level 8 of the Polish Qualifications Framework.

3. Qualifications of academic teachers or research staff conducting education at the doctoral school

The teaching staff of the Doctoral School of the Medical University of Lublin includes academic teachers, research staff, and non-academic professionals who possess specialist qualifications relevant to achieving the learning outcomes defined in the doctoral training programme. In accordance with the Doctoral School's regulations, classes may be taught by individuals holding at least a doctoral degree, as well as specialists with a minimum of four years of professional experience, including foreign language instructors and lecturers in research funding, grant management, and scientific information.

Once the curriculum has been approved, the Doctoral School Council proposes coordinators and academic teachers responsible for individual courses, in accordance with criteria established by the Council members. In this process, the adequacy of the candidates' scientific and professional achievements to the scope of the course, as well as their teaching and research experience, is taken into account. Classes are delivered by professors (including visiting prof.), habilitated doctors, PhDs, and specialists in fields such as scientific information, English philology and research project management. Detailed profiles of fifteen academic teachers representing the disciplines of medical sciences, pharmaceutical sciences, and health sciences are attached to this report.

The implementation of the teaching process and research projects is based on staff employed within the research, research-and-teaching, and teaching groups of the University. The University consistently supports the professional development of academic staff involved in the activities of the Doctoral School through systematic initiatives aimed at improving scientific and teaching qualifications. As part of individual development support, participation in courses, trainings, workshops, and scientific conferences is co-financed, and academic staff may also be granted educational leave. Supervisors and assistant supervisors have the opportunity to participate in national and international scientific events, specialist training, and professional development programmes. Lectures on research methodology are also organised for supervisors and doctoral students, including those conducted by prof. A. Palese from the University of Udine (visiting professor at the MUL).

The high quality of teaching staff is maintained through systematic competence development activities. Since 2021, the Team for the Continuous Development of Academic Competences (URSA), established by Ordinance No. 166/2021 of the Rector of the MUL, has been operating. The purpose of the Team is to develop principles for the professional development of academic teachers, define standards of teaching competence, and establish effective methods of individual mentoring, based on feedback and evaluation results. Within this framework, a tailored training programme was developed to meet the needs of academic teachers, including the enhancement of skills related to supervising doctoral students. The Doctoral School staff benefit from URSA's offer as well as from teaching and training mobilities within Erasmus+ KA103 and KA107 programmes, both to European and non-European universities.

Since the 2024/2025 academic year, the Doctoral School has also operated the Team for the Review of the Curriculum and Doctoral Students' Progress Assessment, whose task includes ongoing evaluation and recommendation of teaching staff selection, taking into account the needs of doctoral students and the strategic objectives of the University.

An important element in verifying the qualifications of candidates for supervisors is the Scientific Achievement Survey Form for candidates for the positions of supervisor, co-supervisor, or assistant supervisor, which constitutes the formal basis for evaluation by the Doctoral School Council. The document includes detailed information on publication achievements (number of publications indexed in Scopus, Hirsch index, list of key publications), experience in academic supervision (number of master's theses, doctoral dissertations, and promoted PhDs), mobility, research management, applied research, cooperation with industry, and science popularisation activities. The Council analyses these forms and approves candidates who meet the criteria necessary to supervise doctoral students.

In line with the University's Quality Assurance System, an annual evaluation of the quality of education at the Doctoral School is conducted, covering both classes and teaching staff. The evaluation is carried out through an anonymous electronic survey on the Student Platform. Results are analysed in terms of participation rate and reliability, with average teacher ratings in all semesters and disciplines exceeding 4.5 on a five-point scale. The outcomes serve as a basis for improvement measures and are disseminated to promote a culture of quality within the Doctoral School. Additionally, peer advisory class observations are conducted to verify the teachers' substantive and pedagogical competences. According to established rules, a score below 7 points (out of a maximum of 14) is considered a negative result.

The integrity of the teaching staff selection process is further confirmed by the rule that no academic teacher may conduct classes at the Doctoral School unless employed by the MUL or if any disqualifying circumstances arise. The responsibility of academic teachers extends to both professional conduct and public activities. Student evaluations and peer observations confirm that teachers perform their duties in an exemplary manner and with high professional standards.

In improving the quality of education, the Doctoral School also considers doctoral students' opinions and preferences regarding the selection of lecturers and supervisors. Comments submitted by doctoral students, including those related to difficulties in cooperation with supervisors, are directed to the Chair of the Doctoral School Council and form the basis for analysis, discussion, and decision-making, including procedures defined in Rector's Ordinance No. 197/2024 on conflict resolution within the Doctoral School of the MUL.

The qualifications and experience of the teaching staff and supervisors of the Doctoral School of the Medical University of Lublin meet all substantive and formal criteria, ensuring a high level of education and enabling doctoral students to achieve

learning outcomes corresponding to Level 8 of the Polish Qualifications Framework (PQF). The key strengths include the availability of diverse forms of support for scientific and teaching competence development, a transparent system for evaluating supervisors' achievements, and the implementation of the URSA. Improvement efforts focus on increasing doctoral students' engagement in quality assessment surveys and developing individual pathways for the enhancement of supervisors' competences.

4. Quality of the recruitment process

The Doctoral School of MUL offers education in the following disciplines: medical sciences, pharmaceutical sciences, and health sciences. Persons with a master's degree, master's degree in engineering or equivalent, as well as beneficiaries of the “Pearls of Science” or “Diamond Grant” programs, may apply for admission to the Doctoral School. In particularly justified cases, confirmed by outstanding scientific achievements, graduates of first-cycle studies or students who have completed the third year of uniform master's studies may be admitted. Recruitment takes place in two modes: the main mode, conducted annually at the turn of August and September, and the continuous mode, covering projects financed from external sources in which the participation of a doctoral student is envisaged. Candidates in this mode are selected through an internal competition for a specific research project. Doctoral students carrying out projects under the Marie Skłodowska-Curie Doctoral Networks program, in which the University participates, are also accepted. Foreigners may undertake education at the Doctoral School on the terms specified in Articles 323-328 of the Law on Higher Education and Science.
Detailed recruitment rules are specified by the Senate of the MUL in a resolution, and annual admission limits are set in regulations issued by the University authorities. All documents are public and are published on the Doctoral School's website and in the Public Information Bulletin no later than five months before the start of recruitment. The schedule of the competition, deadlines, and recruitment results are announced publicly. To ensure equal access for candidates from outside the University, a list of organizational units declaring their readiness to accept doctoral students is published, together with the research topics and proposed academic supervisors. Administrative support for the process is provided by the Dean's Office of the Doctoral School. Documents related to recruitment are available in Polish and English.
The main recruitment process consists of several stages and includes the submission of application documents, evaluation of the research project, a qualifying exam, confirmation of English language proficiency at the B2+ level, evaluation of scientific achievements, abilities, and aptitude for research work, and entry on the list of doctoral students or issuance of an administrative decision refusing admission. Starting in the 2024/2025 year, candidates are required to submit a form evaluating their academic achievements, confirmed by the Main Library of the MUL, and a description of their research project according to a standardized template. In the section on data management, the candidate provides information on the type of research data, the rules for its disclosure and archiving, in accordance with the principles of open science.
The competition procedure is conducted by the Recruitment Committee appointed by the head of the Doctoral School in accordance with the Statutes of the MUL. Until 2024/2025, this Committee consisted of: 1) the Chair of the Doctoral School Council – the chair of the Committee; 2) Heads of Doctoral Studies – members of the Committee; 3) 6 academic teachers in the field of medical sciences and 3 academic teachers each in the fields of pharmaceutical sciences and health sciences, holding the academic title of professor or the academic degree of habilitated doctor – members of the Committee. From the 2025/2026 year, the composition of the Committee has undergone a slight modification. A representative of the Dean's Office of the Doctoral School responsible for formal, and documentation services also participates in the Committee's meetings.
Candidates' aptitude for scientific activity is assessed on the basis of their scientific achievements, the quality of their research project, and an interview. Projects are evaluated by two independent reviewers – researchers from three disciplines represented in the Doctoral School. In the event of significant discrepancies in the evaluations, a third reviewer is appointed. During the interview, the following are assessed: level of knowledge, ability to conduct a substantive scientific discussion, candidate's motivation, and the feasibility of the research project during the course of study. Based on the total number of points obtained, a ranking list is drawn up, according to which candidates with the highest scores are admitted until the limit of places in a given discipline is exhausted. Admission to the Doctoral School takes place by entry on the list of doctoral students.
Based on the ranking list, the head of the Doctoral School approves the results of the recruitment process. In the years 2019-2023, the list of accepted candidates was approved by the Vice-Rector responsible for the Doctoral School, and from 2024/2025 by the Dean of the Doctoral School. The decision to refuse admission to the Doctoral School on behalf of the Rector is made by the person responsible for supervising the Doctoral School by way of an administrative decision. This decision may be appealed to the Rector within 14 days of the date of delivery of the decision. The Rector's decision is final.
The University ensures equal treatment of all candidates, including persons with disabilities and foreigners. The University provides persons with special needs resulting from their health condition, with conditions for full participation in the recruitment process for the Doctoral School and education at the Doctoral School. The Admissions Committee and the Dean's Office of the Doctoral School are responsible for providing support in the recruitment process. The Rector's Representative for Persons with Disabilities coordinates support activities. A candidate with special needs resulting from their health condition, including a candidate with a disability, if justified by their special needs, is entitled to rights and services, including: 1) ensuring the accessibility of the form of the qualifying examination, including ensuring the equivalence of the form and objectivity of the assessment; 2) ensuring the accessibility of the examination venue, such as: a) architectural accessibility of the building where the examination takes place, b) accessibility of the surroundings of the examination venue (applies at least to: the examination room, toilets, cloakroom, access to the building, parking lot), 3) ensuring the accessibility of conditions and appropriate organization of the examination, such as: a) adequate sound system, soundproofed examination room, equipped with an induction loop or other hearing support solutions, b) adequate lighting, c) reduction of factors that have a negative impact on the candidate during the examination (e.g., noise level, number of people in the room), d) adequate duration of the exam, including more time for: written or oral answers, preparation for oral answers, and the like; 4) ensuring the digital accessibility of the exam in a remote, i.e., online, form; 5) providing a teaching assistant; 6) providing a sign language interpreter or lipspeaker. Requests from candidates with special needs, submitted to the Dean's Office of the Doctoral School, referring to their health condition, are considered in cooperation with the Rector's Representative for Persons with Disabilities.
Between 2019 and 2024, the recruitment process was systematically improved in response to the results of analyses and the conclusions of the Recruitment Committee. The scoring system for research projects was changed, the criteria for evaluating the qualifying exam were clarified, the rule for appointing a third reviewer in the event of a tie was clarified, and the criteria for evaluating scientific achievements, including participation in publications and internships abroad, were adjusted. In response

to high interest, admission limits in medical sciences were initially increased and promotional activities were carried out in other disciplines. However, an analysis of doctoral students' achievements showed that the increase in limits did not translate into an influx of highly qualified candidates. Therefore, from 2024/2025, the limits were reduced by half in order to maintain the high quality of education and ensure optimal conditions for research.
In 2024, a Doctoral School Recruitment Team was established to review the rules and conditions of recruitment and develop new solutions tailored to the current needs of the University and the scientific community. The Team included representatives of all three disciplines, as well as a representative of the Doctoral Student Council. The result of the work was the preparation and adoption of new recruitment rules applicable from the 2025/2026 year, including an update of the candidate and graduate profiles.
The recruitment process for the Doctoral School of MUL meets the requirements of transparency, accessibility, and reliability specified in the law. The rules are clearly defined, published timely, and widely available. Every year, in cooperation with the Student Scientific Society, meetings are organized with the student community working in scientific circles on the procedure and rules for admission to the Doctoral School. The multi-stage and open nature of the procedure guarantees the selection of candidates best prepared to conduct scientific activity. The criteria used to evaluate achievements, research projects, and aptitudes ensure the objectivity and comparability of results, and the participation of independent reviewers reinforces the impartiality of the process. The university monitors the effectiveness of the recruitment rules, implements improvement measures, and ensures equal access for all candidates, including people with disabilities and foreigners. The next revision of the Doctoral School's recruitment rules will include, among other things, the inclusion of a doctoral student in the Recruitment Committee as an observer.

5. Quality of scientific or artistic supervision and support for conducting scientific activities

A doctoral candidate at the MUL remains under the scientific supervision of a supervisor or supervisors, or a supervisor and an assistant supervisor. The appointment of a supervisor or supervisors is carried out in a timely manner and, in accordance with Article 201(2) of the Act on Higher Education and Science ("Law 2.0"), must take place within three months from the commencement of doctoral training. The procedure for appointing and changing supervisors or assistant supervisors for doctoral candidates is precisely defined in the Regulations of the Doctoral School. A person applying for the doctoral degree submits to the Doctoral School Council an application for the appointment of a supervisor/supervisors, accompanied by a statement from the proposed supervisor confirming their scientific achievements.

A supervisor may be an academic teacher holding at least the degree of *doktor habilitowany* (doctor habilitatus) in the relevant or related scientific discipline, with documented research output published within the last five years in journals and peer-reviewed conference proceedings listed by the Ministry of Science, corresponding to the subject area of the doctoral dissertation, and having an assigned impact factor. The candidate must also provide written consent to undertake scientific supervision of the doctoral student. A person who does not meet these formal requirements may also serve as a supervisor if they are an employee of a foreign university or research institution with significant achievements in the scientific area relevant to the doctoral dissertation.

Since the establishment of the Doctoral School, there have been no cases in which a supervisor failed to meet the required criteria or was found to have supervised, within the last five years, four doctoral candidates removed from the register due to a negative mid-term evaluation or at least two doctoral candidates whose dissertations received negative reviews in the doctoral degree procedure.

In justified cases, the Doctoral School Council may change or revoke the appointment of a supervisor, supervisors, or assistant supervisor. A request for such a change may be submitted by the supervisor, assistant supervisor, or the doctoral candidate. Justified cases include, in particular: (1) the inability to continue the research project with the supervisor (e.g. death, long-term illness, change of employment); (2) resignation of the supervisor for justified reasons (e.g. long-term foreign stay preventing supervision); (3) the occurrence of a conflict between the supervisor and the doctoral candidate. The supervisor is required to notify the Chair of the Doctoral School Council in writing of the reasons for resignation and to provide a statement consenting to the use of research results obtained jointly with the doctoral candidate in the dissertation. The Council makes decisions regarding the change or revocation of supervision within 30 days of receiving the request.

To ensure the appropriate quality of supervision, a supervisor may oversee no more than three doctoral candidates simultaneously. In exceptional cases, with the consent of the Dean obtained during the recruitment process, a supervisor may supervise up to five doctoral candidates of the Doctoral School. The supervisor co-develops with the doctoral candidate the Individual Research Plan (IRP), monitors progress, and provides an annual opinion on its implementation. Supervisors also support doctoral candidates in obtaining research funding, participating in conferences, summer and winter schools, and research internships, playing an essential role in shaping their research and social competences. The assistant supervisor supports the research process, provides consultations, and reviews the IRP.

The quality of supervision is systematically evaluated through anonymous surveys ("Supervisor–Doctoral Candidate" and "Doctoral Candidate–Supervisor"), which consistently indicate a high level of satisfaction among doctoral candidates. Conflicts between supervisors and doctoral candidates are rare. Since the 2024/2025 academic year, Rector's Ordinance No. 197/2024 has introduced a formal procedure for resolving conflict situations within the Doctoral School.

In terms of supporting doctoral candidates with special needs, including those with disabilities, MUL ensures full accessibility to university infrastructure and academic life. These activities are coordinated by the Office for Persons with Disabilities, and the principles of support are defined in the university's official documents: *"Principles of Ensuring Accessibility at the Medical University of Lublin"* and *"Information and Communication Standards of the Medical University of Lublin"*, developed within the project *"University" – Accessibility Programme for Persons with Disabilities* (co-funded under Measure 3.5 of the Operational Programme Knowledge Education Development 2014–2020). Doctoral candidates may apply for an extension of their doctoral training in the event of long-term illness or when providing personal care to a family member or a child with a disability. Continuous psychological and educational assistance is provided through the Academic Psychological and Educational Support Centre (APPiE), the *HELPinCRISIS* guide, and dedicated quiet rooms located in university buildings.

Scientific supervision at the Doctoral School of the Medical University of Lublin is characterized by high academic and organizational standards. Doctoral candidates receive comprehensive support in conducting research, publishing results, and developing their professional careers. The Doctoral School consistently promotes interdisciplinarity and internationalization of research, enabling doctoral candidates to collaborate directly with leading experts from Poland and abroad.

As part of its initiatives to enhance research competencies, the Doctoral School regularly organizes summer and winter schools, during which invited experts from leading academic and research institutions deliver lectures, seminars, and thematic workshops. Doctoral candidates also receive institutional support for research visits and academic mobility to renowned international research centers, where they conduct research, receive expert consultations, and gain experience in advanced laboratory technologies. The university further encourages participation in specialized external training courses, including advanced experimental techniques, operation of modern research equipment, and bioinformatic data analysis. The knowledge and skills acquired through these activities contribute to the quality and innovation of doctoral research and strengthen practical research competencies.

The continuous evaluation of supervisory performance and the implementation of quality improvement procedures ensure the sustained high standards of doctoral education and the effective realization of the mission of the Doctoral School of the Medical University of Lublin.

6. Integrity of the mid-term evaluation process

The mid-term evaluation conducted at the Doctoral School of the Medical University of Lublin (UML) aims to enhance the quality of education, verify doctoral candidates' progress, and assess the advancement and timeliness of research objectives outlined in the Individual Research Plan (IRP). It serves as a mechanism for maintaining high academic standards by identifying both underperforming doctoral candidates and supervisors who fail to provide adequate guidance.

The criteria and procedures for conducting the mid-term evaluation are specified in the Regulations of the Doctoral School and the document entitled "Principles of the Mid-term Evaluation of Doctoral Candidates at the Doctoral School of the Medical University of Lublin". These regulations are publicly available on the Doctoral School's website. English-language versions are distributed electronically to international doctoral candidates. In addition, information meetings are organized to explain the evaluation process and clarify any potential doubts.

The mid-term evaluation is a two-stage process, consisting of document analysis and an interview with the doctoral candidate. The list of required documents is standardized for all doctoral candidates. By 30 June of the year in which the evaluation takes place, each candidate must submit to the Doctoral School Office: a mid-term report on the implementation of the IRP, documents confirming scientific achievements, and a 12-minute multimedia presentation (submitted electronically) on the current progress of the research plan.

Before reviewing the documentation, all members of the evaluation committee sign a Confidentiality Agreement. The second stage consists of an interview, during which the committee asks the candidate three questions related to the research topic and the implementation of the IRP. Following the interview, the committee deliberates in a closed session and makes a decision by simple majority vote. A protocol of the meeting is prepared and signed by all members. The signed protocols are promptly submitted to the Doctoral School Office.

Doctoral candidates and supervisors are informed of the results via email, and the outcomes are also published on the School's website. In compliance with Article 202(3) of the Higher Education and Science Act, doctoral candidates have unrestricted access to their evaluation results and justifications. A doctoral candidate who receives a negative evaluation has the right to appeal to the Vice-Rector within seven days from the date the results are made available.

The evaluation is carried out by the Mid-term Evaluation Committee (MEC) appointed by the Council of the Doctoral School. The committee consists of three members, including at least one person holding the title of Professor or the degree of Doctor habilitated in the discipline in which the dissertation is being prepared, employed outside the institution running the doctoral school. Neither the supervisor nor the assistant supervisor may serve on the committee. Separate committees are appointed for each scientific discipline represented at the Doctoral School.

For interdisciplinary projects covering two scientific disciplines, an additional expert — holding a professorial title or habilitation in the second discipline and employed outside the awarding institution — may be invited to the committee meeting. This structure ensures transparency, impartiality, and a high substantive standard of the evaluation process. The Chair of the Committee is a member of the Doctoral School Council.

The selection of candidates for the Committee is based on scientific competence and the principle of impartiality. The competencies taken into account include theoretical knowledge relevant to the scientific field, methodological competence for conducting research, academic competencies (e.g., scientific publications, securing research funding, research ethics, dissemination of research results), as well as professional and soft skills. The verification of committee members who are employees of UM is carried out using bibliometric data from the UML Library, while external experts are verified through the website https://ludzie.nauka.gov.pl.

For the 2020–2023 cohorts, committee composition was individualized for each doctoral candidate. Starting in 2024, a single committee is appointed for groups of candidates within a given discipline, aligned with the thematic scope of their research plans. The Council of the Doctoral School appoints the committees annually, and their composition, including the Chair of each committee, is announced no later than 14 days before the scheduled evaluation date.

From the beginning of the Doctoral School's operation until September 10, 2025 (the evaluation period), a mid-term evaluation was carried out for four full cohorts, and the evaluation process for the 2023/2024 cohort has been initiated. The majority of enrolled doctoral candidates participated, while a few either withdrew or were removed from the list of doctoral candidates (mostly in medical sciences). Nearly all evaluations were conducted within the statutory deadlines, except for a few candidates who temporarily suspended their studies. All evaluations for the four full cohorts were positive. For the 2023/2024 cohort, as of September 10, 2025, the Evaluation Committee issued one negative evaluation. The committees issued positive opinions on both the timeliness and the quality of the implementation of the Individual Research Plans. Minor delays were attributed to the specific nature of research projects or disruptions caused by the COVID-19 pandemic. Doctoral candidates' achievements and research outcomes were consistent with their IRPs.

The mid-term evaluation serves as a tool for improving research quality, as reflected in the recommendations formulated by the MEC. Doctoral candidates are informed of any remarks or reservations during the committee meetings, and where appropriate, the committee records recommendations in the official protocol. This allows for corrective actions to be implemented and encourages continued progress and engagement.

To further enhance the evaluation process, survey-based studies among doctoral candidates and supervisors are planned to assess the quality and fairness of the procedure, with active involvement of the Doctoral Student Council. Beginning with the 2024/2025 academic year, supervisors are invited to participate in MEC meetings as observers, excluding the closed deliberation phase.

The principle of reliability and transparency in the mid-term evaluation is upheld through clearly defined procedures and well-justified, merit-based assessment criteria. Doctoral candidates receive both organizational and academic support in preparing for the evaluation. The Doctoral School ensures access to educational materials, as well as to the library resources and research infrastructure of the University.

7. Internationalization

Internationalization of the Doctoral School at the Medical University of Lublin aims to enhance the quality of education, promote international activity among doctoral students, and improve the scientific research conducted by the doctoral candidates. This objective is achieved through education provided by faculty with international experience, the organization of research and teaching activities with an international scope, participation of doctoral students and faculty in international projects and conferences, internships, as well as summer and winter schools. The faculty includes visiting professors, participants in international projects, holders of scholarships and fellowships, and members of international scientific networks.

An essential component of internationalization is the summer and winter schools organized for doctoral students and teaching staff by the Doctoral School's Scientific Council, which constitute a mandatory part of the curriculum. To date, 12 experts from international institutions representing medical, pharmaceutical, and health sciences have participated in these schools.

To enhance the mobility of teaching staff, the Medical University of Lublin invites faculty to participate in the Erasmus+ program, including teaching assignments (STA) and staff training (STT) within Europe and associated countries (KA 103), as well as teaching mobility outside the EU through projects (KA 107).

To foster long-term international collaboration, the Doctoral School engages foreign partners in the supervision of doctoral projects. For example, a formal agreement was established for joint international supervision of a doctoral dissertation by Ms. Maria Stępień, with designated supervisors from Université Paris-Saclay and UML sharing responsibility for the academic management of the doctoral project.

The international activity of the faculty and supervisors is also evident in obtaining international grants. Between 2019 and 2024, nine foreign researchers were recruited to the Doctoral School through grant procedures. The UML Project Office supports faculty and doctoral students in obtaining external funding to develop their scientific and teaching potential.

The curriculum includes a mandatory course, "Specialized English," supplemented by optional courses in the second semester. It also includes compulsory international activities, such as participation in scientific conferences, specialist lectures (including those conducted in English), and specialized training abroad. The Doctoral School financially supports these activities, recognizing them as a key element of scientific development and a condition for completing the program. Another mandatory component is the Doctoral Symposium, where third-year doctoral students prepare and present scientific progress in English to the Council of Doctoral School and other participants in their discipline.

Awareness among doctoral students and supervisors regarding mobility opportunities in European programs has increased participation in internships. Between 2019 and 2024, 23 doctoral students took part in research internships under NAWA and other programs. From the 2025/2026 academic year, the Doctoral School implements an international mobility project, enabling 70 doctoral students and 12 academic staff members to participate in outgoing mobility, while 16 participants from foreign institutions will undertake mobility at UML.

Doctoral students can also participate in Erasmus+ Traineeship mobility, which can be realized at: 1) UML partner institutions, 2) other higher education institutions holding the Erasmus Charter for Higher Education (ECHE), or 3) public or private organizations. A list of partner institutions is available on the UML website. To date, 12 doctoral students have participated in Erasmus+ mobility, traveling to renowned European institutions. Most mobilities were short-term, with several students undertaking longer internships. Additionally, three doctoral students participated in five-day training trips within three-year international Erasmus+ projects.

UML also hosted mobility for seven foreign doctoral students, who undertook research internships in units led by professors in pharmaceutical, medical, and health sciences.

In the 2024/2025 academic year, the Doctoral School implemented MIND (International Research Initiative for Doctoral Students) under the "Excellence Initiative – Research University" program. Funding included five mini-grants, each worth PLN 40,000, supporting internationally-oriented research activities for doctoral students.

An important aspect of internationalization is the recognition of conducted research on the global stage. A steady increase has been observed in the number of scientific articles published in Web of Science-indexed journals (from 121.989 IF in 2020 to 639.400 IF in 2025), as well as in the number of international conference abstracts.

During the evaluation period, 12 international doctoral students have been studying at the Doctoral School, with access to Polish language courses, equal financial support as domestic doctoral students, and all documentation and courses provided in English. Courses are offered in English even for a single doctoral student, and the School finances compulsory developmental activities to support the integration and growth of international doctoral students.

The Doctoral School is active on social media, including Facebook and LinkedIn, promoting its activities and enhancing international recognition. Representatives of the School also participate in international educational fairs, such as the Student Recruitment Fairs in Norway, establishing contacts with potential candidates.

The School actively supports and participates in annual scientific events, such as the Lublin International Medical Congress (LIMC), organized by the Student Scientific Society at UML. Additionally, the annual Quality Day of the Medical University of Lublin (DJUMLA) promotes the University and the Doctoral School, presenting scientific achievements and educational initiatives of doctoral students.

Overall, the Doctoral School actively fosters the internationalization of doctoral education through outgoing and incoming mobility programs (e.g. Erasmus+, NAWA), funding international research, and participating in international events such as conferences and training. These actions contribute to improving the quality of education, developing research competencies, and enhancing the international visibility of the Doctoral School.

8. Effectiveness of doctoral education

Percentage of individuals who obtained a doctoral degree	Doctoral students who applied for initiation of proceedings for the award of a doctoral degree	Doctoral students who were awarded a doctoral degree	Doctoral students who were denied the award of a doctoral degree
in the number of doctoral students who completed their education at the doctoral school during the evaluation period	89 %	75 %	0 %
in the total number of doctoral students who completed their education at the doctoral school	68 %	58 %	0 %

During the evaluation period, a total of 341 doctoral candidates were enrolled in the UML Doctoral School, of whom 44 completed their training (2019-2025). In the same period, 39 candidates initiated doctoral degree award procedure (89%), and 33 obtained the degree (75%). These indicators confirm the high effectiveness of the education. Removals remain low: 30 over the entire period, of which 19 were students' decision. Their number across successive admission cohorts was stable (2019/20: 6; 2020/21: 3; 2021/22: 5; 2022/23: 5), confirming the orderly course of the education process and effectiveness of support mechanisms.
The quality of the training programme was regularly assessed through anonymous surveys by doctoral students. Results were rated as high or moderately high, particularly regarding supervisory support and access to academic guidance. Feedback from doctoral candidates served as the basis for introducing improvements, including modifications to the curriculum, the appointment of coordinators within the Doctoral School (e.g. a Quality Assurance Coordinator), as well as organisational enhancements to various forms of training.
Graduate tracking confirms the positive outcomes of the educational process. Nearly 99% of graduates appear in social insurance records, confirming their active participation in the labour market. Another important indicator is the employment of 38 doctoral students within the institution of Doctoral School, which reflects the high research and teaching potential of graduates.
These data demonstrate high effectiveness of education at the Doctoral School, measured by completion rates, the quality of teaching, and the professional activity of graduates. From the 2025/2026 year, mandatory systematic reporting by doctoral candidates and supervisors on activities related to the implementation of the Individual Research Plan has been introduced, enabling more effective monitoring of progress and faster responses to emerging challenges.

1. health sciences

Achievement Description

We present five groups of achievements by doctoral students representing the **discipline of health sciences:** completion of research internships, participation in national and international projects, activity in international cooperation networks, significant scientific publications, and the development and validation of measurement tools in health sciences. These achievements are an integral part of the implementation of Individual Research Plans (IRP), supporting the development of research, methodological, analytical, and teaching competences, as well as strengthening the interdisciplinary nature of the research conducted.

In the field of research internships, the achievements of Ms. Ilona Łoszczyk (Skrabalak) should be highlighted as an example. She completed two foreign research internships funded by the National Science Centre as part of the UMO-2020/37/B/NZ5/01984 project: in Bergen (Norway, April 15–27, 2024) and Ann Arbor (Michigan, USA, November 10–24, 2024). These trips enabled her to develop her skills in advanced organoid culture methods and cancer microenvironment analysis, which are key to her IPB. The doctoral student also completed a domestic internship ("internship next door," UMCS, January–April 2025 – competition organized by the Lublin Universities Association), during which she honed her analytical and methodological skills.

It is also worth mentioning the international mobility of Angelika Doroszewska, who, as a first-year doctoral student, participated in a short-term internship at the Faculty of Medicine Foča (University of East Sarajevo, Bosnia and

Herzegovina) as part of the Erasmus+ program (May 26-30, 2025), which contributed to the development of her intercultural competences and the establishment of contacts for the implementation of the IPB.

In terms of participation in research and educational projects, it is worth highlighting the achievements of Ilona Łoszczyk (Skrabalak), who is a scholarship holder of the NCN project on ovarian cancer heterogeneity (2020/37/B/NZ5/01984), in line with her IPB, and co-implementer of the ERA PerMed JTC2021 project funded by NCBiR, developing her skills in the field of genomics, liquid biopsy, and artificial intelligence applications.

In addition, Magdalena Dziurka and Patrycja Ozdoba participated in the EU4Health project "*Dynamic Digital Skills for Agility and Resilience in Medical and Allied Professions*" (DDS-MAP), developing digital and research competences, including research design, qualitative and quantitative data analysis, and critical evaluation of literature, as well as the ability to work in an international environment, in accordance with the requirements of level 8 of the Polish Qualifications Framework.

Michał Machul, Magdalena Dziurka, and Patrycja Ozdoba were contractors for two international Erasmus+ KA220-HED projects (*Strengthening the ethical competence of future nurses and midwives: An inter-professional action-learning project on experiential training methods*" (ETHCOM) and "*4D in the Digitalization of Learning in Practice Placement*", 2022–2025), strengthening their ethical, interprofessional, and teaching competences. These projects allowed them to deepen their ethical sensitivity, their ability to reflect on moral dilemmas in the care of chronically ill patients, and to develop their teaching skills, prepare teaching materials, and conduct classes using modern teaching methods.

In addition, Magdalena Dziurka and Patrycja Ozdoba participated in the Erasmus+ project "*Protecting You And Others: Community Infection Prevention Behaviour Change Program*" (ProY&O) (2023–2026) on infection prevention and health behaviors, acquiring skills in designing health interventions, assessing patient and community behaviors, and implementing preventive measures in clinical practice.

All three—Michał Machul, Magdalena Dziurka, and Patrycja Ozdoba—also developed research and coordination skills as part of the project "*Value-based nursing—development of international student scientific* cooperation," funded by the Ministry of Science and Higher Education (2021–2022). The implementation of this project supported the development of research management skills, the presentation of scientific results, and cooperation with younger colleagues from the Student Research Club.

Activity in international cooperation networks: Since 2019, a group of doctoral students from the UML Doctoral School, including Michał Machul, Magdalena Dziurka, Patrycja Ozdoba, Aleksandra Grzegorczyk, Aleksandra Kołpa, Anna Obuchowska, and Paulina Bogdańska, have been participating in the International Network for the Nursing Doctoral Study, which brings together doctoral students from the Czech Republic, Slovakia, Hungary, and Poland. Their activity in the network includes participation in international scientific conferences, organized jointly each year in a different Visegrad Group country, which significantly supports the development of their international cooperation skills.

Significant scientific publications: an analysis of data from the UMLub Library (White Paper prepared at the UML Doctoral School) indicates that the publications of doctoral students in health sciences are of high quality. Their works appear in Q1 and Q2 journals, which are internationally renowned and highly influential in their fields. The highest recorded average score per slot in health sciences was 140, and the highest total score assigned to a single author was 674.0784.

Examples of publication achievements (selected from a wider range of works) include: in the case of Ilona Łoszczyk (Skrabalak), whose total score is 22,664 IF and 520 MNiSW points, an article in Q1 Cancer Letters, one of the most prestigious journals in experimental oncology, deserves special attention. In the case of Michał Machul, whose score for 2029-2023 is 28.328 IF and 1560 MNiSW points, scientific papers published in Q2 journals such as (*Medical Science Monitor*, *Journal of Palliative Medicine*) and in the highly rated Q1 *International Journal of Nursing Studies*, one of the key journals in health sciences. Magdalena Dziurka's achievements in the period 2020-2025 amount to 27.200 IF and 2195 MNiSW points. She has published articles in prestigious Q1 journals (*Journal of Advanced Nursing*, *BMC Nursing*), valued for their methodological quality and impact on the development of health sciences. These publications are selected examples and do not exhaust the full scientific output of doctoral students in health sciences. A significant number of works were co-authored internationally, reflecting the doctoral students' competence in international cooperation, their ability to conduct research in a global environment, and their activity in developing interdisciplinary research projects.

As part of their doctoral theses, doctoral students also carried out cultural adaptation and validation of research tools, including: *Hospital Ethical Climate Scale* (HECS) – enabling the assessment of the hospital work environment in terms of ethical standards and cooperation within the therapeutic team; *the Nursing Professional Values Scale* (NPVS) – used to

analyze the values and professional motivation of nursing staff; *Caregiving Abilities Inventory* (CAI) – enabling the identification of strengths and areas for development of caregiving competencies; Scales of patient needs in spiritual care (HOPE or FACIT-Sp12) – enabling the assessment of patient expectations regarding spiritual support in chronic care and end-of-life care. The validation of these tools has high practical value – it allows for the implementation of qualitative and quantitative research in medical facilities, monitoring of care quality, and planning of educational interventions and patient support. The scientific value lies in providing reliable, repeatable, and accurate research tools that can be used in further national and international scientific research in the field of health sciences.

The achievements presented—including scientific mobility, participation in projects, activity in research networks, publications in recognized journals (mainly Q1 and Q2), and the development and validation of measurement tools in health sciences—confirm the high level of competence of doctoral students and their impact on the development of the discipline of health sciences. They significantly strengthen the research potential, internationalization, and prestige of the scientific work carried out.

2. medical sciences

Achievement Description

Below we present selected achievements of doctoral students representing medical sciences, which in a special way reflect the advanced nature of the research conducted, the high level of scientific independence, and the intensive development of research competencies. The activities presented (foreign internships, conducting and executing scientific projects, obtaining prestigious scholarships, and participating in clinical trials) result directly from the doctoral students' Individual Research Plans (IRP) and are consistent with the learning outcomes assigned to level 8 of the Polish Qualifications Framework (PQF).
These achievements confirm that doctoral students in medical sciences are actively developing the competencies required at the highest level of education, such as: independently formulating and implementing complex research projects, conducting innovative research of international significance, critical data analysis, interdisciplinary cooperation, and the implementation of research results into clinical practice and the scientific environment. The examples cited provide a representative picture of their wide-ranging activities and contribution to the development of medical sciences.
Doctoral students have completed numerous domestic and international internships, allowing them to develop specialized research skills and collaborate with renowned scientific centers. An example of such activity is Akanksha Mudgal's internship at Florida Atlantic University in Toll's Lab, supervised by Lawrence Toll, Dr. Akihiko Ozawa, and Dr. Targowska-Duda. During her stay, the doctoral student developed skills in molecular research and working on advanced experimental models, which directly supports her doctoral project. Wiktoria Skiba, on the other hand, completed two research internships in 2024. The first one, from April 30 to June 29, 2024, was carried out at the Centre d'Immunologie de Marseille Luminy (CIML) in France as part of a project funded by NAWA. There, she worked on the mechanisms of cell membrane dynamics and T-cell signaling, which significantly expanded her expertise in cancer immunology. The second internship, “Staż za miedzą” (Internship Across the Fence), took place from September 2 to November 23, 2024, at the Maria Curie-Skłodowska University as part of the Lublin University Association. It enabled her to develop her analytical skills and work in an interdisciplinary team. As part of the NAWA PRELUDIUM BIS 3 program, PhD student Monika Szelest completed a 6-month internship at the Clinic for Hematology, Oncology, and Immunology at Charité – Berlin Medical University, in the laboratory of Prof. Lars Bullinger (February 3 to August 3, 2025). The internship involved working with state-of-the-art methods of molecular diagnostics of hematological diseases, which directly translates into the quality of translational research. Irena Wieleba completed two research trips abroad in 2022–2023. The first took place as part of the ERASMUS+ program: June 23–24, 2022, and concerned the development of anticancer drugs at the Curie Institute in Paris. The second, from January 23 to March 24, 2023, was carried out in Prof. Condorelli's laboratory at the University of Federico II in Naples and involved research on the molecular mechanisms of carcinogenesis. PhD student Monika Zbroja-Putowska completed two clinical and research internships abroad in 2025. The first one took place at the University Hospital in Magdeburg at the Department of Radiology and Nuclear Medicine from January 6 to February 3, 2025. The second internship took place from March 10 to 21, 2025, at the WFUMB training center at Victor Babes University of Medicine and Pharmacy in Timisoara, Romania. Both internships allowed her to deepen her expertise in diagnostic imaging and ultrasonography, which are key to her clinical and diagnostic research. All these internships, although carried out in different areas of medicine, have in common that they directly support the objectives of doctoral dissertations, develop the research skills of doctoral students, and prepare them to conduct independent research in an international environment, which is the foundation of the effects of the 8th PRK.
The high grant activity of doctoral students confirms their ability to create and conduct highly complex research projects. As part of competitions organized by the National Science Centre (NCN) and the Ministry of Science and Higher Education (MNiSW), they have obtained funding for their own research. In 2024, Ms. Akshaya Ramanujam received an NCN PRELUDIUM 23 grant (DEC-2024/53/N/NZ5/03081) for a project on functional studies of mutations in the TPM2 gene associated with hereditary clubfoot. The project, worth PLN 209,800, enables complex genetic and functional analyses to be carried out, requiring advanced equipment and expertise in structural biology. Mr. Marcin Czeczelewski is leading the project “Virtual reality in neuroanatomy,” funded with PLN 240,000 as part of the Pearls of Science program. His project is an example of the excellent integration of biomedical sciences with innovative VR educational technologies. PhD student Alicja Forma is carrying out a project on the metallomic analysis of cardiovascular structures in chronic alcoholism (Pearls

of Science, PLN 239,619). This research requires working with high-sensitivity equipment, precise analysis, and interpretation of results in pathophysiological terms. Ms. Kaja Karakuła is leading a Pearls of Science project worth PLN 239,860.50 on assessing the exposure of residents of the Lublin region to glyphosate and markers of inflammation. This project, combining environmental epidemiology with biochemistry and immunology, is an example of research with high social value. Natalia Krzyżanowska, on the other hand, is participating in the LIDER NCBiR project (2022–present) as a contractor. The project concerns the use of liquid biopsy sequencing in monitoring the response to immunotherapy in patients with non-small cell lung cancer. This work develops competencies in NGS, bioinformatics, and translational research. Magdalena Sawic is co-implementing the NCN Sonata project (UMO-2020/39/D/ST4/01604) covering chemical imaging of metabolic processes in a diabetes model. Monika Szelest is leading the NCN PRELUDIUM 23 (2024/53/N/NZ5/00615) grant project on the identification of circulating biomarkers of response to CAR-T therapy in patients with aggressive non-Hodgkin's lymphoma. This project has a strong clinical and translational component, requiring the integration of molecular and medical data.
Among the distinctions, it is worth highlighting the scholarship awarded to Wiktoria Skiba by the Mayor of Lublin for the years 2020–2022 for exceptionally talented doctoral students. This award confirms not only the high level of her research, but also her commitment to scientific development and the excellent implementation of her IRP. In addition, doctoral students Alicja Forma, Kaja Karakuła, Grzegorz Zieliński, Marcin Czeczelewski, Alicja Rajtak, Maria Stępień, Syliwa Wnorowska, and Marcin Czeczelewski regularly receive scholarships from the MUL's Own Scholarship Fund for outstanding scientific achievements.
Since 2024, doctoral student Monika Zbroja-Putowska has been participating as a member of the research team in the international clinical trial AMALTHEA (D9690C00005). This participation reflects advanced competence in clinical research methodology, working with patients, and compliance with ethical and regulatory principles, which is an integral part of the 8th PRK requirements for the implementation of research results into clinical practice and interdisciplinary cooperation.
The publishing activity of doctoral students in medical sciences also deserves special mention. An analysis of data from the UML Main Library covering the years 2019–2024 shows that the highest recorded number of slots per author in this group was 21.8312, with an impressive average score of 200 points per slot. These results reflect the high quality of the research conducted and the publishing efficiency of doctoral students. Against this background, individual achievements are particularly visible. Between 2022 and 2025, Ms. Kaja Karakuła co-authored papers with a total IF of 33.600 and a score of 1780.00 from the MNiSW, publishing her research in highly ranked journals such as *Scientific Reports* (Q1), *Nutrients* (Q1), and *PLOS One* (Q1). Alicja Forma, in turn, in 2021–2025, co-authored as many as 60 articles, which translated into an impressive total value of 206.831 IF and 7000.00 points from the MNiSW. Her publications appeared in prestigious journals of the highest category, such as *Cells* (Q1), *Cancers* (Q1), and *Neuroscience and Biobehavioral Reviews* (Q1). Such a significant number of works, combined with their high quality, confirm the doctoral student's exceptional activity and research recognition in the scientific community. Marcin Czeczelewski also made a significant contribution to the scientific achievements of the university and the Doctoral School in 2023–2025, publishing articles with a total IF of 36.400 and a score of 1680 points from the MNiSW. His works have been published, among others, in the *Polish Archives of Internal Medicine* (Q2) and the *European Journal of Vascular and Endovascular Surgery* (Q1). These publications strengthen his position as a young researcher. This summary confirms that doctoral students in medical sciences not only carry out ambitious research projects, but also consistently present the results of their research on an international forum, achieving a level of publication characteristic of mature research teams.
These forms of scientific activity carried out by doctoral students clearly demonstrate their independence, innovation, organizational skills, and readiness to work in an international environment, which clearly fits in with the learning outcomes of the 8th level of the PQF.

3. pharmacology and pharmacy

Achievement Description

Doctoral students in the field of pharmaceutical sciences completed internships abroad and in Poland at prestigious academic centers and in the chemical industry. The internships were financed by NAWA, NCN, and regional competitions, which demonstrates the ability to obtain external funding. As a result, doctoral students and young scientists completed a number of domestic and international internships, which significantly broadened their research and practical skills. Michał Fornal completed a three-month international internship at the Technical University of Catalonia (UPC) in Spain, in the Department of Materials Science and Engineering, PlasmaMedLab. The internship was funded under the Preludium BIS NAWA 3 program, which enabled him to gain experience in modern materials technologies. Mikołaj Krysa participated in a one-month international internship at Stockholm University in Sweden as part of the NAWA PROM project, gaining experience in working in an international research environment. Łukasz Kulinowski completed two prestigious research internships at the Technical University of Munich (Germany) as part of a bilateral exchange of scientists (NAWA PPN/BDE/2019/1/00008/U/00001) and at the University of Bern (Switzerland) , which was carried out as part of the NCN Preludium-21 project and concerned the evaluation of the anti-migraine potential of butterbur (Petasites spp.), the isolation of bioactive secondary metabolites (petazines) and their pharmacological characteristics. Anna Michalicha, Aleksandra Nurzyńska, and Paweł Kozyra completed research internships as part of the “Staż za miedzą” project organized by the Lublin Universities Association, which allowed them to complete an internship at one of the partner research units. Emilia Słoń completed a two-month internship at the Czech company Neptun Chemicals s.r.o., gaining practical knowledge in the field of chemical synthesis optimization and methods of compound purification on an industrial scale.

Pharmaceutical science doctoral students are also active participants in national and international projects. Projects funded by the NCN, NCBiR, NAWA, the European Commission, and national programs covering research in the fields of chemistry, biomaterials, pharmacy, and innovative technologies. The projects concerned, among others, the development of spectroscopic and chemical imaging methods in a diabetes model (NCN SONATA), metabolomic studies of Mycobacterium spp. and the role of natural products in overcoming drug resistance (NCN OPUS, PRELUDIUM). An important area was the synthesis and isolation of bioactive compounds, including the evaluation of the anti-migraine potential of butterbur and the isolation of sesquiterpenoids and pyrrolizidine alkaloids. In the field of biomaterials, innovative kurdlan-tannin and kurdlan-polydopamine dressings were developed, and the microstructure of metals was studied in order to improve their antibacterial properties (NCN SONATA BIS, PRELUDIUM). Projects were also carried out on ecological plant growth stimulants (NCBiR LIDER), biomaterials enriched with propolis extracts, and the OsteoChondral Graft preparation (Innovation Incubator). As part of international cooperation, research was conducted on the consequences of using nootropic drugs (V4 Generation Mobility) and the Greencosmin project (MSCA Staff Exchange). The projects also included implementation doctorates and the development of young scientists, including the development of cannabinoid-based molecular conjugates and numerous PRELUDIUM and internal grants. Innovative areas such as biomaterials, metabolomics, natural medicinal products, and dermo-therapeutic technologies are invaluable to the discipline of pharmaceutical science and the development of new therapies, medical materials, and analytical methods, as well as the transfer of knowledge to clinical practice. Many doctoral students serve as project managers, e.g., Łukasz Kulinowski is the manager of the project “Evaluation of the anti-migraine potential of butterbur” (NCN PRELUDIUM 21) and the manager of the PBmb 300 grant “Optimization of Petasites hybridus extraction.” Michalicha Anna is the project manager of NCN PRELUDIUM 21 “Flexible, antibacterial kurdlan-tannin dressing” and grant PBmb 310 “Functionalization of kurdlan-polydopamine biomaterials.” Marta Trzaskowska is the manager of the NCN PRELUDIUM 23 grant “Biomaterial with propolis extracts as a dressing material.”

Patents are a very important achievement. Łukasz Kulinowski obtained a patent entitled "Method for obtaining sesquiterpenes – derivatives of petasin from the rhizomes of butterbur (Petasites hybridus (L.) G.Gaertn., B.Mey. & Scherb)" (application no.: P.442527, exclusive right no. Pat. 245499), which is an outstanding achievement confirming the practical application of basic research results in chemistry and pharmacology. This achievement strengthens the interdisciplinary nature of pharmaceutical sciences, combining the fields of organic chemistry, extraction technology, and pharmacology. The patent protection obtained creates the possibility of implementing the technology in the pharmaceutical industry, which increases the innovation and competitiveness of Polish research centers on the domestic and international markets. In addition, the invention “Method for obtaining Nod factors from the Rhizobium leguminosarum bv. Viciae GR09 bacterial strain for use as a biofertilizer stimulating the growth of leguminous plants” (patent number PL240045), co-authored by Mikołaj Krysa, has been patented and commercialized. The implementation was carried out by Intermag in 2022 - the product is available under the name PrimSeedNod Groch. The doctoral students are currently co-authors of several patent applications. Inventions entitled “Medical application of 1-(4-nitrobenzoyl)-4-ethyl thiosemicarbazide” (P.444349) and “Medical application of 1-[(4-nitrophenyl) acetyl]-4-ethylsemicarbazide” (P.444350), co-authored by Łucja Walczak, are awaiting review. Tarabasz Dominik is also the co-author of two patent applications concerning the isolation of lepidylins from Peruvian pepper extracts and their anticancer activity.

Another achievement of doctoral students in the field of pharmaceutical sciences are research grants enabling the implementation of highly innovative projects. The START Scholarship from the Foundation for Polish Science (FNP) obtained by Anna Michalicha is one of the most prestigious awards for young scientists in Poland, granted for outstanding research achievements and scientific potential. In turn, the research scholarship of the Mayor of Lublin, as part of the “Municipal scholarship program for students and doctoral students,” aims to support scientific development and innovative research. The scholarship from the City of Lublin Scholarship Program awarded to Łucja Walczak is a distinction for scientific activity and the implementation of research projects of importance for the development of the region. Scholarships raise the prestige of the institution and confirm the international level of research, while municipal scholarships support the integration of science with the needs of the region, which promotes the transfer of knowledge to clinical practice and the pharmaceutical industry.

In turn, doctoral students' scientific publications play a key role in the development of the pharmaceutical sciences, both in terms of content and strategy. Doctoral students often conduct research in new, previously unexplored areas, which allows them to expand the boundaries of knowledge in fields such as pharmacy, medicinal chemistry, and biotechnology. Data analysis shows that publishing doctoral students in pharmaceutical sciences achieve the highest slot and score values. Data obtained from the UMLub Library database (White Paper) shows that the highest number of slots for a single author was 12.7440, the highest average points per slot was 200.00, and the highest total points was 1528.2141. E.g.: Anna Michalicha published works with a total IF = 68.646 between 2020 and 2025, which corresponds to 1,460 points; Dominik Tarabasz published five articles with a total IF = 27.482 (620 points) during his studies at the Doctoral School, while Michał Wroński is the co-author of eight publications with a total IF = 47.70 (1,160 points). Doctoral students become part of the international scientific community, which promotes cooperation and the implementation of further research projects. At the MUL, doctoral students' publications are most often related to the completion of doctoral dissertations, and their lists are available in the Public Information Bulletin.

In addition, between 2019 and 2024, doctoral students actively participated in international and national scientific conferences, presenting the results of their research in the form of oral presentations and posters. In addition, Anna Socha received an award at a national conference, and Michał Wroński took third place in the poster session at the 5th Congress of the Polish Association of Pharmacy Students.

An important achievement of the doctoral students is receiving a scholarship from the MUL’s Own Scholarship Fund for outstanding scientific achievements. Michał Wroński, Mikołaj Krysa, and Anna Michalicha (twice) received this distinction. Doctoral students in the field of pharmaceutical sciences complete internships at renowned domestic and foreign centers and participate in research projects. Their achievements include publications in highly rated journals, patents, and

prestigious scholarships, which confirms the high level of their research. The activity of doctoral students contributes to the development of innovative therapies, biomaterials, and analytical methods, as well as the transfer of knowledge to clinical practice and the pharmaceutical industry.

ATTACHMENTS

Adequacy of the education program and individual research plans to the learning outcomes for qualifications at PRK level 8 and their implementation

No.	File type	Filename
1	Education programmes during the evaluation period	Programy_kształcenia_ENG.pdf

Method of verifying learning outcomes for qualifications at PRK level 8

No.	File type	Filename
1	The method of assessing the learning outcomes for qualifications at level 8 of the PQF	Tables_learning_outcomes_verification_ENG.pdf

Qualifications of academic teachers or research staff conducting education at the doctoral school

No.	File type	Filename
1	pharmacology and pharmacy	Sylwetki_nauczyciela_akade
2	medical sciences	Sylwetki_nauczyciela_akade
3	health sciences	Sylwetki_nauczyciela_akade

Quality of the recruitment process

No.	File type	Filename
1	The compositions of the admissions committees during the evaluation period and the rationale for their selection with the aim of maintaining high admission standards	Komisje_Rekrutacyjne_ENG.pdf
2	The regulations of the doctoral school during the evaluation period	Regulaminy_SzD_ENG.pdf
3	The admissions rules of the doctoral school during the evaluation period	Warunki_i_tryb_rekrutacji_ENG.pdf

Quality of scientific or artistic supervision and support for conducting scientific activities

No.	File type	Filename
1	Internal regulations that pertain to the midterm evaluation and that are in force during the evaluation period, such as evaluation rules and criteria	Ocena_śródokresowa_załączniki_ENG.pdf

STATEMENTS

- I hereby declare that the information contained in the self-assessment report is fully consistent with the factual and legal status.
- I hereby declare that the information contained in the self-assessment report in Polish and English is fully identical in substance.
- I hereby declare that the documents attached to the self-assessment report in Polish and English are fully identical in substance.

Signature

Signed by / Podpisano przez:

Beata Dobrowolska
Uniwersytet Medyczny w Lublinie

Date / Data: 2025-12-01 12:39

AUTHORIZATIONS

Added files

Upoważnienie_Dziekan_dr_hab._n._o_zdr._B._Dobrowolska.pdf

Resolution No. CCLIII/2019
of the Senate of the Medical University of Lublin

of April 17, 2019

on determining the curriculum of the Doctoral School of the Medical University of Lublin

Pursuant to Article 201(4) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2018, item 1668, as amended), in connection with Article 291 of the Act of July 3, 2018**,** *Provisions introducing the Act – Law on Higher Education and Science (*Journal of Laws 2018, item 1669, as amended)**, the Senate hereby resolves as follows:**

§ 1

The Senate of the Medical University of Lublin hereby determines the curriculum of the Doctoral School of the Medical University of Lublin, which constitutes an appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin commencing on October 1, 2019.

Chair of the Senate
Rector of the Medical University of Lublin Prof.

Andrzej Drop, PhD

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

education program for the 2019/2020 academic year

	Compulsory classes	**Hours**	**Semester**	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law	**20h**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10**	**I**	
P8S_WG	Methodology of scientific research	**40 hours**	**I and II**	
P8S_WK	Principles of financing and managment of research grants	**10**	**II**	
P8S_UU	Didactics in higher education	**20h**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialised English	**30**	**I**	
	Compulsory development activities			
P8S_KK	Active participation in a national conference	**min. 1 conference**		**mandatory**
P8S_KK	Active participation in an international conference	**min. 1 conference**		
P8S_WG	Participation in specialist lectures	**min. 10 lectures 5 lectures in semesters I-IV 5 lectures in semesters V-VIII**		
P8S_UU	Specialised training in Poland or abroad	**min. 1 training course**		
	Professional internships			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	
OPTIONAL CLASSES				
	BLOCK A			
P8S_UK	Specialised English	**60**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**I**	
P8S_UW	Advanced statistical methods	**2x30h**	**V,VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**Doctoral student selects at least 1 in the education cycle**		
P8S_UO	Visit to a center abroad (max. 3 months)			
P8S_UO	Departure to a centre in the country (at least 2 months)			
P8S_UO	Submission of a grant application			

	BLOCK C		
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry	**Each subject lasts 10 hours**	**The doctoral student chooses at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Modern immunological methods used in diagnostics, molecular biology molecular biology, modern methods of diagnostic imaging		
P8S_WG	Advances in medical science: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, dental prosthetics		
P8S_WG	Advances in medical science: genetics, microbiology, disease prevention , laboratory medicine, clinical psychology		
P8S_WG	Advances in medical science: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in research in pharmacology		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of tools research methods (psychometrics, sociometrics, clinimetrics)		
P8S_KR	Team leader after doctoral studies		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence Based Nursing)		

Resolution No. CCCXLIII/2020
of the Senate of the Medical University of Lublin

of February 26, 2020

on establishing the curriculum of the Doctoral School of the Medical University of Lublin

Pursuant to Article 201(4) of the Act of July 20, 2018, *on Higher Education and Science* (Journal of Laws 2020, item 85) and § 23 point 22 of the Statutes of the Medical University of Lublin from on 26 June 2019 **Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate of the Medical University of Lublin establishes the curriculum of the Doctoral School of the Medical University of Lublin, which constitutes an appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin, commencing on October 1, 2020.

Chair of the Senate
Rector of the Medical University of Lublin Prof.

Andrzej Drop, PhD

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

education program for the 2020/2021 academic year

	Compulsory classes	Hours	Semester	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law	**20 hours**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10**	**I**	
P8S_WG	Methodology of scientific research	**40h**	**I and II**	
P8S_WK	Principles of financing and managing scientific grants	**10**	**II**	
P8S_UU	Didactics in higher education	**20h**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialised English	**30**	**I**	
	Compulsory development activities			
P8S_KK	Active participation in a national conference	**min. 1 conference**		**mandatory**
P8S_KK	Active participation in an international conference	**min. 1 conference**		
P8S_WG	Participation in specialist lectures	**min. 10 lectures 5 lectures in semesters I-IV 5 lectures in semesters V-VIII**		
P8S_UU	Specialized training in Poland or abroad	**min. 1 training**		
	Professional internship			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	
OPTIONAL CLASSES				
	BLOCK A			
P8S_UK	Specialised English	**30**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**III**	
P8S_UW	Advanced statistical methods	**2x30h**	**V,VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**Doctoral students choose at least 1 in the education cycle**		
P8S_UO	Visit to a foreign center (max. 3 months)			
P8S_UO	Departure to a center in Poland (min. 2 months)			
P8S_UO	Submission of a grant application			
	BLOCK C			
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry			
P8S_WG	Modern immunological methods used in diagnostics, molecular biology molecular biology, contemporary methods of diagnostic imaging			
P8S_WG	Advances in medical science: developmental dentistry, periodontology, dental surgery, maxillofacial surgery,			

	maxillofacial orthopedics, dental prosthetics	**Each subject lasts 10 hours**	**Doctoral students choose at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Advances in medical science: genetics, microbiology, prevention of civilizational diseases of civilization, laboratory medicine, clinical psychology		
P8S_WG	Advances in medical science: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes		
P8S_UW	Validation of analytical methods		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in research in pharmacology		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of research tools research tools (psychometrics, sociometrics, clinimetrics)		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence Based Nursing)		

Resolution No. XLIII/2021
of the Senate of the Medical University of Lublin

of January 27, 2020

on establishing the curriculum of the Doctoral School of the Medical University of Lublin

Pursuant to Article 201(4) of the Act of July 20, 2018, *on Higher Education and Science* (Journal of Laws 2020, item 85, as amended) and § 23 point 22 of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate of the Medical University of Lublin establishes the curriculum of the Doctoral School of the Medical University of Lublin, which constitutes an appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin, commencing on October 1, 2021.

Chair of the Senate
Rector of the Medical University of Lublin

Prof. Wojciech Załuska

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

education program for the 2021-2025 academic year

	Compulsory classes	**Hours**	**Semester**	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law	**20h**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10h**	**I**	
P8S_WG	Methodology of scientific research	**40h**	**I and II**	
P8S_WK	Principles of financing and managing scientific grants	**10**	**II**	
P8S_UU	Teaching at a higher education institution	**20h**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialized English	**30**	**I**	
	Compulsory development activities			
P8S_KK	Active participation in a national conference	**min. 1 conference**		**mandatory**
P8S_KK	Active participation in an international conference	**min. 1 conference**		
P8S_WG	Participation in specialist lectures	**min. 10 lectures 5 lectures, semesters I-IV 5 lectures, semesters V-VIII**		
P8S_UU	Specialist training in Poland or abroad	**min. 1 training course**		
	Professional internship			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	
OPTIONAL CLASSES				
	BLOCK A			
P8S_UK	Specialised English	**30**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**III**	
P8S_UW	Advanced statistical methods	**2x30h**	**V,VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**Doctoral student selects min. 1 in the education cycle**		
P8S_UO	Visit to a foreign center (max. 3 months)			
P8S_UO	Departure to a center in Poland (min. 2 months)			

P8S_UO	Submission of a grant application		
	BLOCK C		
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry	**Each subject lasts 10 hours**	**The doctoral student chooses at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Modern immunological methods used in diagnostics, molecular biology molecular biology, modern methods of diagnostic imaging		
P8S_WG	Advances in medical science: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, dental prosthetics		
P8S_WG	Advances in medical science: genetics, microbiology, prevention of diseases , laboratory medicine, clinical psychology		
P8S_WG	Advances in medical science: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes		
P8S_UW	Validation of analytical methods		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in research in pharmacology		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of research tools research tools (psychometrics, sociometrics, clinimetrics)		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence Based Nursing)		

Resolution No. 146/2022
of the Senate of the Medical University of Lublin

of February 23, 2022

on establishing the curriculum of the Doctoral School of the Medical University of Lublin

Pursuant to Article 201(4) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2021, item 478, as amended) and § 23(22) of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate of the Medical University of Lublin establishes the curriculum of the Doctoral School of the Medical University of Lublin, which constitutes an appendix to this Resolution.

§ 2

The resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin, commencing on October 1, 2022.

On behalf of the Chair of the Senate of the Medical University of Lublin
Vice-Rector for Science
Prof. Andrzej Stepulak, PhD

Appendix to Resolution No. 146/2022
of the Senate of the Medical University of Lublin
of February 23, 2022

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

education program for the 2022-2026 academic year

Component code Description	Compulsory classes	Hours	Semester	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law	**20h**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10**	**I**	
P8S_WG	Methodology of scientific research	**40h**	**I and II**	
P8S_WK	Principles of financing and managing research grants	**10**	**II**	
P8S_UU	Teaching at a higher education institution	**20h**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialised English (for Polish-speaking doctoral students) or Polish language (for English-speaking doctoral students)	**30**	**I**	
	Mandatory development activities			
P8S_KK	Active participation in a national conference	**min. 1 conference**		**mandatory**
P8S_KK	Active participation in an international conference	**min. 1 conference**		
P8S_WG	Participation in specialist lectures	**min. 10 lectures 5 lectures, semesters I-IV 5 lectures, semesters V-VIII**		
P8S_UU	Specialist training in Poland or abroad	**min. 1 training course**		
	Professional internship			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	
	OPTIONAL CLASSES			
	BLOCK A			
P8S_UK	Specialised English (for Polish-speaking doctoral students) or Polish language (for English-speaking doctoral students)	**30 hours**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**III**	
P8S_UW	Advanced statistical methods	**2x30h**	**V,VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**The doctoral student chooses at least 1 in the education cycle**		
P8S_UO	Visit to a foreign center (max. 3 months)			
P8S_UO	Departure to a center in Poland (min. 2 months)			
P8S_UO	Submission of a grant application			
	BLOCK C			
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry,			

	laboratory diagnostics in dentistry, prevention in dentistry	**Each subject lasts 10 hours**	**The doctoral student chooses at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Modern immunological methods used in diagnostics, molecular biology, contemporary methods of diagnostic imaging		
P8S_WG	Advances in medical science: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics		
P8S_WG	Advances in medical science: genetics, microbiology, disease prevention , laboratory medicine, clinical psychology		
P8S_WG	Advances in medical science: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes		
P8S_UW	Validation of analytical methods		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in pharmacology research		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence-Based Nursing)		
P8S_UK P6S_KR P7S_UK P8S_WG	Cosmeceuticals – from composition to application		
P8S_WG P8S_UW P8S_UK	Translational hematology-oncology		
P8S_WG P8S_UW P8S_UK	Precision oncology		
P8S_WG P8S_UW P8S_UK	Innovative diagnostics and therapy in pediatric oncology		

Resolution No. 225/2023
of the Senate of the Medical University of Lublin

of January 25, 2023

on establishing the curriculum of the Doctoral School of the Medical University of Lublin
for the 2023-2027 education cycle

Pursuant to Article 201(4) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2022, item 574, as amended) and § 23 point 22 of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate of the Medical University of Lublin establishes the curriculum of the Doctoral School of the Medical University of Lublin for the 2023-2027 academic cycle, which constitutes an appendix to this Resolution.

§ 2

This Resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin, commencing on October 1, 2023.

Chair of the Senate
Rector of the Medical University of Lublin Prof.

Wojciech Załuska, PhD

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

education program for the 2023-2027 academic year

Component code Description	Compulsory classes	Hours	Semester	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law	**20h**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10 a.m.**	**I**	
P8S_WG	Methodology of scientific research	**40h**	**I and II**	
P8S_WK	Principles of financing and management of research grants	**10**	**II**	
P8S_UU	Didactics in higher education	**20h**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialised English (for Polish-speaking doctoral students) or Polish language (for English-speaking doctoral students)	**30**	**I**	
	Mandatory development activities			
P8S_KK	Active participation in a national conference	**min. 1 conference**		**mandatory**
P8S_KK	Active participation in an international conference	**min. 1 conference**		
P8S_WG	Participation in specialist lectures	**min. 10 lectures 5 lectures in semesters I-IV 5 lectures in semesters V-VIII**		
P8S_UU	Specialist training in Poland or abroad	**min. 1 training**		
	Professional internship			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	
	OPTIONAL CLASSES			
	BLOCK A			
P8S_UK	Specialised English (for Polish-speaking doctoral students) or Polish language (for English-speaking doctoral students)	**30 hours**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**III**	
P8S_UW	Advanced statistical methods	**2x30h**	**V,VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**The doctoral student chooses at least 1 in the education cycle**		
P8S_UO	Visit to a foreign center (max. 3 months)			

P8S_UO	Departure to a center in the country (min. 2 months)		
P8S_UO	Submission of a grant application		
	BLOCK C		
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry	**Each subject lasts 10 hours**	**The doctoral student chooses at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Modern immunological methods used in diagnostics, molecular biology, contemporary methods of diagnostic imaging		
P8S_WG	Advances in medical sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics		
P8S_WG	Advances in medical science: genetics, microbiology, prevention of diseases of civilization, laboratory medicine, clinical psychology		
P8S_WG	Advances in medical science: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes		
P8S_UW	Validation of analytical methods		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in pharmacology research		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence-Based Nursing)		
P8S_UK P6S_KR P7S_UK P8S_WG	Cosmeceuticals – from composition to application		
P8S_WG P8S_UW P8S_UK	Translational hematology-oncology		

P8S_WG P8S_UW P8S_UK	Precision oncology		
P8S_WG P8S_UW P8S_UK	Cell therapies in pediatric oncology		

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Resolution No. 353/2024
of the Senate of the Medical University of Lublin

of February 21, 2024

on establishing the curriculum for the Doctoral School of the Medical University of Lublin for the 2024-2028 academic cycle

Pursuant to Article 201(4) of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws 2023, item 742, as amended) and § 24(22) of the Statutes of the Medical University of Lublin of March 29, 2023, the Senate of the Medical University of Lublin hereby resolves the following:

§ 1

The Senate of the Medical University of Lublin establishes the curriculum for the Doctoral School of the Medical University of Lublin for the 2024–2028 academic cycle, which constitutes an appendix to this resolution.

§ 2

This Resolution shall enter into force on the date of its adoption and shall apply to education at the Doctoral School of the Medical University of Lublin, commencing on October 1, 2024.

Chair of the Senate
Rector of the Medical University of Lublin Prof.
Wojciech Załuska, PhD
/document signed with a qualified electronic signature/

Appendix to Resolution No. 353/2024

of the Senate of the University of Medical Sciences in Lublin of February 21, 2024

DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN **education program for the 2024-2028 academic year**				
Code component of description	**Compulsory classes**	**Number of hours**	**Semester**	
P8S_UW	Designing scientific research	**10**	**I**	**compulsory**
P8S_WK	Research ethics and intellectual property law Intellectual property	**20 hours**	**II**	
P8S_UK	Presentation and communication skills	**20**	**I and II**	
P8S_KO	Scientific information	**10**	**I**	
P8S_WG	Methodology of scientific research	**40h**	**I and II**	
P8S_WK	Principles of financing and management of research grants	**10h**	**II**	
P8S_UU	Teaching at a higher education institution	**20**	**I**	
P8S_UW	Doctoral seminar (individual work with supervisor)	**4x10h**	**I, III, V, VII**	
P8S_UK	Doctoral symposium (individual work with supervisor)	**4x10h**	**II, IV, VI, VIII**	
P8S_UK	Specialized English (for Polish-speaking doctoral students) or Polish Polish (for English-speaking doctoral students)	**30h**	**I**	
	Mandatory development activities			
P8S_KK	Active participation in a national conference or an internetaional conference	**at least 1 conference**		**mandatory**
P8S_WG	Participation in specialist lectures	**10 lectures: 5 lectures semester I-IV 5 lectures semesters V-VIII**		
	Professional internships			
P8S_UU	Participation in classes	**20**	**I or II**	**compulsory**
P8S_UU	Teaching classes	**60**	**III-VI**	

OPTIONAL CLASSES				
	BLOCK A			
P8S_UK	Specialised English (for Polish-speaking doctoral students) or Polish Polish (for English-speaking doctoral students)	**30 hours**	**II**	**The doctoral student chooses at least 2**
P8S_UU	Modern education in higher education	**20**	**III**	
P8S_UW	Advanced statistical methods	**2x30h**	**V, VI**	
P8S_WG	Preclinical research	**30h**	**V**	
P8S_WG	Clinical research	**30h**	**VI**	
	BLOCK B			
P8S_UK	Participation in summer/winter school	**The doctoral student chooses at least 1 in the cycle education**		
P8S_UO	Visit to a foreign center (at least 1 month)			
P8S_UO	Departure to a center in the country (at least 2 months)			
P8S_UO	Submission of a grant application			
	BLOCK C			
P8S_WG	Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry	**Each subject lasts 10 hours**		**The doctoral student chooses at least 4 electives in the education cycle** **2 in semesters I-IV and 2 in semesters V-VIII**
P8S_WG	Modern immunological methods used in diagnostics, molecular biology, contemporary methods of diagnostic imaging			
P8S_WG	Advances in medical sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, dental prosthetics			
P8S_WG	Advances in medical science: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine , clinical psychology			
P8S_WG	Advances in medical science: surgery, internal medicine internal medicine, gynecology and obstetrics, pediatrics,			

	oncology, clinical dietetics		
P8S_WG	Innovation in nursing research		
P8S_WG	Innovation in obstetrics research		
P8S_WG	Innovation in medical physiotherapy research		
P8S_WG	Innovation in medical rescue research		
P8S_WG	Innovation in dietetics research		
P8S_WG	Identification of the structure of organic compounds and natural origin		
P8S_WG	Chromatographic separation techniques—application in pharmacy and medicine		
P8S_WG	Modern techniques in laboratory medicine		
P8S_WG	Advances in the analysis and quality assessment of plant substances P8S_WG		
P8S_WG	Advanced methods of drug design and synthesis		
P8S_WG	Chemometric analysis of experimental data		
P8S_WG	Molecular mechanisms of selected life processes P8S_UW		
P8S_UW	Validation of analytical methods		
P8S_WG	Advances in regenerative medicine		
P8S_WG	Contemporary problems of infectious diseases.		
P8S_WG	News in pharmaceutical sciences – new directions in pharmacology research		
P8S_WG	Modern methods of molecular biology and their application in medicine and pharmacy		
P8S_UU	Modern education in higher education/Methodology in higher education		
P8S_UW	Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometry, clinimetrics)		
P8S_KO	Creativity in problem solving		
P8S_KR	Basics of coaching		
P8S_KR	Stress and coping		
P8S_UK	Communication skills and self-presentation		
P8S_KK	Evidence-based practice (Evidence Based, Evidence Based Medicine, Evidence Based Nursing)		

P8S_UK P6S_KR P7S_UK P8S_WG	Cosmeceuticals – from composition to application		
P8S_WG P8S_UW P8S_UK	Translational hematology-oncology		
P8S_WG P8S_UW P8S_UK	Precision oncology		
P8S_WG P8S_UW P8S_UK	Cell therapies in pediatric oncology		
P8S_WK	Medical law and legal conditions for scientific activity scientific activity		

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2019-2023 education cycle

Education	**Doctoral School**																		
Course name	**Research Design**																		
Level of education	**8**																		
Course code	**SD_01**																		
		Forms of course delivery*							Methods of verifying learning outcomes*										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X								
W02	Knows how to raise funds for scientific research using scientific communication appropriate for a given scientific discipline			X							X								
U01	Has the skills necessary to independently design and conduct scientific research			X							X								
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X								
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X								

Education	**Doctoral School**																		
Course name	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																		
Level of education	**8**																		
Course code	**SD_02**																		
		Forms of course delivery*							Methods of verifying the effect*									
Symbol of the learning effect see	Description of learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X							
W04	Knows and understands the legal, ethical, and other relevant conditions scientific activity and has knowledge of legal regulations regarding intellectual property protection in Poland and worldwide	X								X							

Education	**Doctoral School**																		
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																		
Level	**8**																		
Course code	**SD_03**																		
		Forms of course delivery*							Methods of verifying learning outcomes*										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area scientific and research activities		X								X						
W06	knows basic and advanced techniques for preparing and conducting scientific and didactic presentations, as well as current trends in presentation forms and methods and tools for preparing presentations and ways of conducting them		X	X							X						
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X						
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X						
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X						

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	**8**																		
Course code	**SD_04**																		
		Forms of course delivery*							Methods of verifying the effect*										
Symbol of the learning effect see	Description of learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific research results, including through open access - legal, ethical, and other relevant conditions of scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	He is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	**8**																			
Course code	**SD_05**																			
		Forms of course delivery*							Methods of verifying learning outcomes*											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize teamwork using various techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning its substantive structure, methodology, linguistic correctness and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Principles of financing and managing research grants**																	
Level of education	**8**																	
Course code	**SD_06**																	
		Forms of course delivery*							Methods of verifying learning outcomes*									
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how.		X								X						
U08	Is able to define the purpose and subject of scientific research in the context of competition documentation. Is able to use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Is able to position sources of funding for their research in close connection with the research hypothesis and the results they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, to respect the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of scientific solutions to the most pressing problems facing society.			X								X									

Education	**Doctoral School**																			
Course name	**Teaching in higher education**																			
Level of education	**8**																			
Course code	**SD_07**																			
		Forms of course delivery*							Methods of verifying learning outcomes*											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes, including using modern teaching techniques			X							X						
U11	is able to assess learning outcomes			X							X						
K05	critically assesses their own teaching activities, is aware of their social and professional role, has the right attitude towards colleagues and students			X											X		

Education	**Doctoral School**
Course name	**Doctoral Seminar**
Level of education	**8**
Course code	**SD_08**

		Forms of course delivery*							Methods of verifying the effect*								
Symbol of the learning effect see	Description of learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of their dissemination		X														X
U12	demonstrates the ability to present the assumptions of the doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X

Education	**Doctoral School**																		
Name of the subject	**Doctoral Symposium**																		
Level of education	**8**																		
Course code	**SD_09**																		
		Forms of course delivery*							Methods of verifying learning outcomes*										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (portfolio)**
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific		X								X						
U13	can prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X						
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the acquired knowledge corresponding to the area of scientific research in discussion		X								X						

Education	Doctoral School																		
Course name	Specialized English																		
Level	8																		
Course code	SD_10																		
		Forms of course delivery*							Methods of verifying learning outcomes*										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**
U16	Can communicate on specialized topics to a degree that enables active participation in an international scientific environment			X							X						
U17	Can apply appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X						
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific and professional environment professional			X							X						

Education	Doctoral School																	
Subject name	Active participation in a national conference																	
Level of education	8																	
Course code	SD_11																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (abstract)
U20	Able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U21	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, initiate debate, and participate in scientific discourse							X									X

Education	**Doctoral School**																	
Course name	**Active participation in an international conference**																	
Level of education	**8**																	
Course code	**SD_12**																	
		Forms of course implementation							Methods of verifying learning outcomes									
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (abstract)
U22	Able to present specialist issues to a degree that enables active participation in the international scientific community and dissemination of research results							X									X
U23	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such a transfer.							X									X

Education	**Doctoral School**																	
Course name	**Participation in specialist lectures**																	
Level of education	**8**																	
Course code	**SD_13**																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^0 assessment	Pass	Other (certificate)
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X

Education	**Doctoral School**																		
Course name	**Specialist training in Poland or abroad**																		
Level of education	**8**																		
Course code	**SD_14**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (workshops)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (certificate)
U24	Able to use knowledge from various fields of science to innovatively solve complex problems or perform research tasks, and in particular to develop methods, research techniques and tools and apply them creatively	X	X					X									X

Education	**Doctoral School**																		
Course name	**Professional Internships - Participation in classes**																		
Level of education	**8**																		
Course code	**SD_15**																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X		
U25	Is able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes.				X												X		
K06	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form leading to the development of a knowledge-based society knowledge				X												X		

Education	**Doctoral School**																		
Course name	**Professional Internships – Teaching**																		
Level of education	**8**																		
Course code	**SD_16**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X		
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences, pharmaceutical sciences, and health sciences				X												X		
U26	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X		
U27	Able to develop and apply methods for assessing student learning outcomes in the teaching process				X												X		
K06	Is prepared to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X		

Education	**Doctoral School**																		
Subject name	**Specialized English - Elective BLOCK A**																		
Level	**8**																		
Course code	**SD_17**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U28	Able to prepare for participation in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U29	has language skills in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the basic level of the Common European Framework of Reference for Languages Language			X							X						
U30	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																			
Course name	**Modern education in higher education - Faculty BLOCK A**																			
Level of education	**8**																			
Subject code	**SD_18**																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
In 19	knows modern techniques in the field of teaching at a higher education institution			X					X								
U10	is able to conduct classes using modern teaching techniques			X							X						
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X		

Education	Doctoral School																			
Name of subject	Advanced statistical methods – Faculty BLOCK A																			
Level of education	8																			
Course code	SD_19																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U31	Can select and apply appropriate statistical methods to interpret and compile research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																			
Course name	**Preclinical Research - Elective BLOCK A**																			
Level of education	**8**																			
Course code	**SD_20**																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through research phases preclinical trials and the possibility of obtaining an experimental drug	X	X						X								
W22	Knows the tests used to verify the suitability of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for the mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic	X	X						X								
U31	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	**8**																		
Course code	**SD_21**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands the ethical, legal, and economic conditions of designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and the principles of clinical trial monitoring			X							X						
U32	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U33	Can plan and perform simple scientific research, interpret its results, and draw conclusions			X							X						

Education	Doctoral School																	
Name of subject	Participation in summer/winter school - Faculty BLOCK B																	
Level of education	8																	
Subject code	SD_22																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Can participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	Doctoral School																
Course name	Trip to a foreign center - Elective BLOCK B																
Level of education	8																
Subject code	SD_23																
		Forms of course implementation							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																	
Course name	**Trip to a center in the country - Elective BLOCK B**																	
Level of education	**8**																	
Subject code	**SD_24**																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	Doctoral School																	
Course name	Submitting a grant application - Faculty BLOCK B																	
Level of education	8																	
Course code	SD_25																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U23	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**
Course name	**Faculty Block C -** **Advances in medical science: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**
Level of education	**8**
Subject code	**SD_26**

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X								
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X								
U35	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and preventive dentistry		X														X
K08	Is ready to critically evaluate the achievements of the represented scientific discipline and recognizing the importance of interdisciplinary knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern methods of diagnostic imaging imaging**																		
Level of education	**8**																		
Course code	**SD_27**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W28	is familiar with the issues related to contemporary immunological methods, molecular biology, and ; knows the types and characteristics of biological material and its preparation for immunological and molecular biology research, knows the techniques of phenotyping, knows tests used for qualitative and quantitative determination of antigens, antibodies and immunological complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	Doctoral School																			
Name of subject	Faculty Block C - Advances in medical sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics																			
Level of education	8																			
Course code	SD_28																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, dental prosthetics		X						X								
U36	Able to analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, and dental prosthetics.		X														X
K08	Is ready to critically evaluate the achievements of the represented and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	Doctoral School
Course name	Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology
Level of education	8
Subject code	SD_29

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U37	He has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K08	Is ready to critically evaluate the achievements of the represented and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**
Level of education	**8**
Course code	**SD_30**

		Forms of course delivery							Methods of verifying the effect								
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W32	knows current Polish and global achievements, which include theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X								
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X								
U38	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics		X														X
K09	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which he is pursuing his doctoral project) in solving cognitive and practical problems		X														X

Education	Doctoral School																		
Course name	Faculty Block C - INNOVATION IN NURSING RESEARCH																		
Level of education	8																		
Course code	SD_31																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														X
U39	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning innovative scientific research in nursing, including international cooperation.		X														X
K10	Is ready to independently undertake innovative research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Innovation in Obstetrics Research**																		
Level of education	**8**																		
Course code	**SD_32**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U 4	Is able to indicate directions for innovative research in obstetrics		X						X								
K 1	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	Doctoral School																
Name of subject	Faculty Block C - Innovation in medical physiotherapy research																
Level of education	8																
Course code	SD_33																
		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																			
Name of subject	**Faculty Block C - Innovation in medical rescue research**																			
Level of education	**8**																			
Course code	**SD_34**																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U41	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K08	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	Doctoral School																	
Course name	Faculty Block C - INNOVATION IN DIETETICS RESEARCH																	
Level	8																	
Course code	SD_35																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research trends in this area, as well as the possibilities of selected clinical applications		X						X								

Education	Doctoral School																		
Course name	Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN																		
Level of education	8																		
Course code	SD_36																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X			
U42	is able to apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X								
U43	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic techniques spectroscopic		X								X								

K12	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra natural compounds		X																X
K13	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results of scientific activity		X																X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Chromatographic separation techniques - application in pharmacy and medicine**																	
Level of education	**8**																	
Course code	**SD_37**																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W40	Knows and understands to a degree sufficient to revise existing paradigms – global achievements covering theoretical foundations and general issues, as well as selected specific issues related to analytical methods, in particular chromatographic techniques		X														X
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences.		X														X
U44	Is able to use knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X
K14	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating achievements scientific research in the field of separation techniques		X														X

Education	Doctoral School																		
Subject name	Faculty block C - Modern techniques in laboratory medicine																		
Level of education	8																		
Course code	SD_38																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Can communicate on specialized topics to a degree that enables active participation in an international scientific community		X														X
K15	Is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	Doctoral School																		
Course name	FACULTY BLOCK C - ADVANCES IN THE ANALYSIS AND QUALITY ASSESSMENT OF PLANT SUBSTANCES																		
Level	8																		
Course code	SD_39																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the study of the biological activity of plant substances in vitro and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U45	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U46	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and is able to interpret them		X								X						
K15	Is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	Doctoral School
Course name	Faculty Block C - Advanced methods of drug design and synthesis
Level of education	8
Course code	SD_40

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	advanced level – selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the field of scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activities related to their field of study		X													X	
U47	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X	
U48	formulate and solve problems and perform tasks typical of professional activities related to the field of study - in the case of practical studies		X													X	

K16	critical assessment of existing knowledge and perceived content recognition of the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	Doctoral School																			
Course name	Faculty Block C - Chemometric analysis of experimental data																			
Level of education	8																			
Course code	SD_41																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W46	knows the theoretical foundations and understands the necessity of applying experimental design techniques in order to obtain correct results		X						X											
U49	is able to obtain the theoretical spectrum of a compound using computational methods with using appropriate software, as well as interpret the experimental spectrum based on the results of such calculations		X														X			
U50	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X			

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	**8**																		
Course code	**SD_42**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standard OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements – including selected specific issues – relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - Advances in Regenerative Medicine**																	
Level of education	**8**																	
Course code	**SD_43**																	
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	is familiar with the latest achievements in the field of tissue engineering and engineering biomedical engineering in the context of its application in regenerative medicine		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U51	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						

K17	is ready to critically evaluate the achievements of the discipline scientific, critical assessment of one's own contribution to the development of this discipline		X																X
K18	is ready to conduct scientific activity independently and take on new challenges		X																X

Education	Doctoral School																			
Course name	Faculty Block C - Contemporary Issues in Infectious Diseases																			
Level of education	8																			
Course code	SD_44																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological agents to a degree that allows for independent planning of solutions research problems		X						X								
U52	Use the latest knowledge in the field of infectious diseases to analyze the problem and formulate statements to a degree that enables active participation in scientific discussion		X						X								

U53	Independently search for necessary information on current infectious disease issues and expand your competence and take steps towards your own scientific development		X						X										
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K19	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	Doctoral School																	
Course name	Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research																	
Level of education	8																	
Course code	SD_45																	
		Forms of course delivery							Methods of verifying learning outcomes									
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to a degree enabling the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues – relevant to a given scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																		
Level of education	**8**																		
Course code	**SD_46**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W55	To a degree enabling the revision of existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues and trends development of a given scientific or artistic discipline		X						X								
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X								

Education	Doctoral School
Course name	Faculty Block C – Modern education in higher education/Methodology in higher education
Level of education	8
Course code	SD_47

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W57	Is familiar with modern technologies used in academic education, understands the concept of medical simulation and the essence of the use of e-learning in academic education		X						X								
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X								
W59	Knows the methods of classifying educational objectives based on Bloom's taxonomy Bloom's taxonomy, methods of verifying them, and knows the rules for preparing and conducting classroom observations.		X								X						
U54	U55 e-learning										X						
U55	Can apply basic teaching and learning principles in practice, prepare lesson plans, and classify educational objectives based on Bloom's taxonomy		X								X						

U56	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X									
U57	Is able to independently prepare a selected form of assessment depending on the type of classes conducted and to construct a class observation protocol taking into account the characteristic elements of the medical education process medical		X								X									
K20	Is motivated to continuously acquire new skills and is convinced of the benefits of using modern technologies in teaching		X														X			
K21	To an advanced degree, recognizes his own limitations, self-assesses his deficits and educational needs, plans his own educational activity		X																	X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**																	
Level of education	**8**																	
Course code	**SD_48**																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W60	Knows and understands scientific research methodology		X						X								
U58	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research nature, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X						
K22	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Creativity in problem solving**																			
Level of education	**8**																			
Course code	**SD_49**																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)			
W61	Understands human functioning in psychological and social terms social aspects, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X			
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X			
W63	Knows methods and strategies of creative thinking, interpersonal skills interpersonal skills: abilities, motivations, overcoming difficulties necessary in the process of creative task and problem solving, and the functions of creative thinking in problem solving, practical application of the creative problem-solving process		X														X			
U59	Can analyze the process of problem solving in professional situations and assess their resources in terms of creative thinking and creative problem solving in professional situations		X														X			

U60	Is able to solve problems creatively by the use of creative thinking strategies and principles, apply creative thinking strategies and principles in problem situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U61	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K23	Is ready to critically evaluate their own actions and those of their colleagues while respecting differences in worldviews and cultures, and to formulate opinions on aspects of professional activity that involve problem solving and seeking expert advice when unable to solve a problem independently.		X																X
K24	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities. taking responsibility for providing healthcare services and demonstrating concern for their own safety, that of their surroundings, and that of their colleagues colleagues		X																X

Education	Doctoral School																		
Course name	Faculty Block C - Fundamentals of Coaching																		
Level of education	8																		
Course code	SD_50																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W64	Knows and understands basic coaching terminology and principles		X						X								
U62	Can use coaching knowledge to plan and act for their own development and the development of others		X								X						
K25	Is ready to initiate activities for their own development and that of others.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	**8**																		
Course code	**SD_51**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U63	Can use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with		X								X						
K 2 2	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**
Course name	**Faculty Block C - Communication Skills and Self-Presentation**
Level of education	**8**
Course code	**SD_52**

		Forms of course delivery							Methods of verifying the effect								
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X								
U64	Able to plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X						
K26	Can communicate effectively in various social and professional contexts professional		X														X

Education	Doctoral School																			
Course name	Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)																			
Level of education	8																			
Course code	SD_53																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U65	Can use critical thinking to verify evidence-based healthcare practice healthcare based on scientific evidence		X								X						
K27	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

Education	**Doctoral School**																		
Course name	**Team leader after doctoral studies**																		
Level of education	**8**																		
Course code	**SD_54**																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W68	Knows the principles of building a creative and effective team, as well as the role and tasks of a leader in a research team		X								X						
U66	Can coordinate (plan and implement) team research or creative projects, including in an international environment		X								X						
U67	Has the ability to adapt their management style to the specific characteristics of team members and the nature of the tasks performed.		X								X						
K28	Is willing to work in a team of professionals, in an interdisciplinary and international environment		X														X
K29	Is ready to think and act in an entrepreneurial manner.		X														X

TABLE OF LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVEL 8 OF THE POLISH QUALIFICATIONS FRAMEWORK

FOR THE 2019-2023 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness cognitive perspective and dependencies	**P8S-WG**	to a degree that enables the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place research methodology rules for disseminating the results of scientific activity, including through open access access	**W05, W06, W07, W08, W12, W13, W14, W15, W16, W20, W22, W23, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W47, W48, W49, W51, W52, W53, W54, W55, W57, W58, W59, W60**
	P8S-WK	fundamental dilemmas of modern civilization economic, legal, ethical, and other relevant conditions of activity scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W17, W18, W19, W21, W24, W25, W45, W46, W50, W56, W61, W62, W63, W64, W65, W66, W67, W68**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and completed tasks	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or perform research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activities and other creative work and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U20, U21, U23, U24, U25, U30, U31, U32, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U47, U49, U50, U52, U58, U63**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in an international scientific environment disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree enabling participation in the international scientific and professional community	**U03, U04, U12, U13, U16, U17, U18, U19, U22, U28, U29, U51,**

	P8S-UO	plan and implement individual and team research or creative projects, including in an international environment	**U01, U06, U33, U34, U45, U46, U56, U60, U66, U67**
	P8S-UU	independently plan and act for their own development, as well as inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U26, U27, U48, U53, U54, U55, U57, U59, U61, U62, U64, U65**

W- use of knowledge, C- communication, O- organization of work, L- learning

SOCIAL COMPETENCES **Is ready to**			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critically evaluate their own contribution to the development of a given scientific or artistic discipline recognizing the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating actions in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21, K29**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership the results of scientific activity, taking into account the principles of intellectual property protection	**K01, K03, K13, K18, K20, K22, K25, K26, K27, K28**

K – critical approach, **O** – responsibility, **R** – professional role

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2020-2024 education cycle

Education	**Doctoral School**																		
Course name	**Research Design**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X								
W02	Knows how to obtain funding for scientific research using scientific communication appropriate for a given scientific discipline.			X							X								
U01	Has the skills necessary to independently design and conduct scientific research			X							X								
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X								
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X								

Education	**Doctoral School**																		
Course title	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X									
W04	Knows and understands the legal, ethical, and other relevant conditions of scientific activity and has knowledge of legal regulations regarding intellectual property protection in Poland and worldwide	X								X									

Education	**Doctoral School**																			
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**			
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area of scientific and research activities		X								X									
W06	knows basic and advanced techniques for preparing and conducting scientific and educational presentations, as well as current trends in presentation formats, methods and tools for preparing presentations, and ways of conducting them		X	X							X									
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X									
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X									
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X									

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific research results, including through open access - legal, ethical, and other relevant conditions of scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	Is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize cooperation between teams using different techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning its substantive structure, methodology, linguistic correctness and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Rules for financing and managing research grants**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery*							Methods of assessment*									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how.		X								X						
U08	Is able to define the purpose and subject of scientific research in the context of competition documentation. Is able to use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Able to position sources of funding for their research in close connection with the research hypothesis, the effects they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, respecting the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of scientific solutions to the most pressing problems facing society.			X								X									

Education	**Doctoral School**																			
Course name	**Teaching in higher education**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of verifying the effect*										
Symbol of the learning effect see	Description of learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes, including using modern teaching techniques			X							X						
U11	is able to assess learning outcomes			X							X						
K05	critically evaluates their own teaching activities, is aware of their social and professional role, and has an appropriate attitude towards colleagues and students			X											X		

Education	**Doctoral School**																		
Course name	**Doctoral Seminar**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**		
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of their dissemination		X														X		
U12	demonstrates the ability to present the assumptions of the doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X		
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X		
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X		

Education	**Doctoral School**																		
Name of the subject	**Doctoral Symposium**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (portfolio)**		
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific		X								X								
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X								
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the knowledge acquired in the field of scientific research in discussion		X								X								

Education	**Doctoral School**																		
Course name	**Specialized English**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (portfolio)**
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment			X							X						
U17	Can use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X						
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific and professional environment professional			X							X						

Education	**Doctoral School**																		
Name of subject	**Active participation in a national conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (abstract)
U20	Able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U21	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, initiate debate, and participate in scientific discourse							X									X

Education	**Doctoral School**																		
Course name	**Active participation in an international conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (abstract)
U22	Able to present specialist issues to a degree that enables active participation in the international scientific community and dissemination of research results							X									X
U23	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such a transfer.							X									X

Education	**Doctoral School**																	
Course name	**Participation in specialist lectures**																	
Level of education	8																	
Education profile	general academic																	
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360^0 assessment	Pass	Other (certificate)
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X

Education	**Doctoral School**																	
Course name	**Specialist training in Poland or abroad**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (workshops)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (certificate)
U24	Able to use knowledge from various fields of science to innovatively solve complex problems or perform research tasks, and in particular to develop methods, research techniques and tools and apply them creatively	X	X					X									X

Education	**Doctoral School**																		
Course name	**Professional Internships - Participation in classes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X
U25	Is able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes.				X												X
K06	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																		
Course name	**Professional Internships – Teaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X		
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences pharmaceutical sciences and health sciences				X												X		
U26	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X		
U27	Is able to develop and apply methods for assessing student learning outcomes in the teaching process.				X												X		
K06	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X		

Education	**Doctoral School**																		
Subject name	**Specialized English - Elective BLOCK A**																		
Level	8																		
Education profile	general academic																		
		Forms of implementation of the subject							Methods of verifying the effect										
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U28	Able to prepare for participation in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U29	has language skills in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the basic level of the Common European Framework of Reference for Languages Language			X							X						
U30	can search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																			
Course name	**Modern education in higher education - Faculty BLOCK A**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
In 19	knows modern techniques in the field of higher education			X					X								
U10	is able to conduct classes using modern teaching techniques			X							X						
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X		

Education	**Doctoral School**																			
Course name	**Advanced Statistical Methods - Elective BLOCK A**																			
Level of education	8																			
Education profile	General academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U31	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																			
Course name	**Preclinical Research - Faculty BLOCK A**																			
Level of education	8																			
Education profile	General academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through preclinical research phases and the possibilities of obtaining experimental drugs	X	X						X								
W22	Knows the tests used to verify the suitability of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for the mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic	X	X						X								
U31	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands the ethical, legal, and economic conditions of designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and clinical trial monitoring principles			X							X						
U32	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U33	Can plan and perform simple scientific research, interpret its results, and draw conclusions			X							X						

Education	**Doctoral School**																	
Course name	**Participation in summer/winter school - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Able to participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	**Doctoral School**																	
Course name	**Trip to a foreign center - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																		
Course name	**Trip to a center in the country - Faculty BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																	
Course name	**Submitting a grant application - Faculty BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U23	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**
Course name	**Faculty Block C -** **Advances in medical sciences: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X								
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X								
U35	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and dental prophylaxis		X														X
K08	Is ready to critically evaluate the achievements of the represented scientific discipline and recognizing the importance of interdisciplinary knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern methods of diagnostic imaging imaging**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W28	is familiar with the issues related to contemporary immunological methods, molecular biology, and ; is familiar with the types and characteristics of biological material and its preparation for testing immunology and molecular biology, is familiar with phenotyping techniques, and is familiar with tests used for the qualitative and quantitative determination of antigens, antibodies, and immune complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	**Doctoral School**																			
Subject name	**Faculty Block C - Advances in Medical Sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, and dental prosthetics		X						X								
U36	Able to analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, and dental prosthetics.		X														X
K08	He is ready to critically evaluate the achievements of the scientific discipline he represents and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U37	Has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K08	Is ready to critically evaluate the achievements of the represented and to recognize the importance of knowledge interdisciplinary approach to solving cognitive and practical problems practical		X														X

Education	**Doctoral School**																				
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**																				
Level of education	8																				
Education profile	general academic																				
		Forms of course delivery							Methods of verifying learning outcomes												
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)				
W32	is familiar with current Polish and global achievements, including theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X												
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X												
U38	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X														X				
K09	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which he is pursuing his doctoral project) in solving cognitive and practical problems		X														X				

Education	**Doctoral School**
Name of the subject	**Faculty Block C - INNOVATION IN NURSING RESEARCH**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														
U39	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning. innovative scientific research in the field of nursing, including international cooperation		X														
K10	Is ready to independently undertake innovative research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Innovation in Obstetrics Research**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U 4	Is able to indicate directions for innovative research in obstetrics		X						X								
K 1	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Innovation in medical physiotherapy research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																			
Course name	**Faculty Block C - Innovation in medical rescue research**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U41	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K08	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - INNOVATION IN DIETETICS RESEARCH**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research directions in this area, as well as the possibilities of selected clinical applications		X						X								

Education	**Doctoral School**																	
Course name	**Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X	
U42	is able to apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X						
U43	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic		X								X						

K12	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra of natural compounds		X																	X
K13	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results of scientific activity		X																	X

Education	**Doctoral School**																	
Name of subject	**Faculty Block C - Chromatographic separation techniques – application in pharmacy and medicine**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W40	Knows and understands to a degree that allows for the revision of existing paradigms – global achievements covering theoretical foundations, general issues, and selected specific issues related to analytical methods, in particular chromatographic techniques		X														X
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences		X														X
U44	Is able to use knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X
K14	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating scientific achievements within the framework of separation techniques		X														X

Education	**Doctoral School**																		
Subject name	**Faculty block C - Modern techniques in laboratory medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Is able to communicate on specialized topics to a degree that enables active participation in an international scientific environment		X														X
K15	He is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**FACULTY BLOCK C - ADVANCES IN THE ANALYSIS AND EVALUATION OF THE QUALITY OF PLANT SUBSTANCES**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the study of the biological activity of plant substances in vitro and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U45	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U46	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and is able to interpret them		X								X						
K15	He is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	**Doctoral School**
Course name	**Faculty Block C - Advanced methods of drug design and synthesis**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	advanced level – selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activities related to their field of study		X													X	
U47	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X	
U48	formulate and solve problems and perform tasks typical for professional activities related to the field of study - in the case of practical studies		X													X	

K16	critical assessment of existing knowledge and perceived content recognition of the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - Chemometric analysis of experimental data**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W46	knows the theoretical foundations and understands the necessity of applying experimental design techniques in order to obtain correct results		X						X											
U49	is able to obtain the theoretical spectrum of a compound using computational methods with using appropriate software, as well as interpret the experimental spectrum based on the results of such calculations		X														X			
U50	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X			

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements – including selected specific issues – relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																	
Subject name	**Faculty Block C - Validation of analytical methods**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U51	is able to define the purpose and subject of scientific research, formulate research hypotheses, develop research methods, techniques, and tools, apply them creatively, and draw conclusions based on the results of scientific research		X								X						

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Regenerative Medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant to due to the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	is familiar with the latest achievements in the field of tissue engineering and biomedical engineering in the context of their application in regenerative medicine regenerative medicine		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U52	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						
K17	is ready to critically evaluate the achievements of the discipline , and critically evaluate his own contribution to the development of this discipline		X														X

K18	is ready to conduct scientific activity independently and take on new challenges		X																		X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Contemporary Issues in Infectious Diseases**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (attendance)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological agents to a degree that allows for independent planning of solutions research problems		X						X								
U53	Use the latest knowledge in the field of infectious diseases to analyze problems and create statements to a degree that enables active participation in scientific discussion		X						X								

U54	Independently search for necessary information on current issues in infectious diseases and expand one's own competence and take actions aimed at your own scientific development		X						X										
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K19	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	**Doctoral School**																	
Name of subject	**Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to a degree enabling the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues – relevant to a given scientific or artistic discipline main trends in the development of scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																		
Subject name	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)		
W55	To the extent necessary to revise existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues, as well as development trends in a given scientific or artistic discipline		X						X										
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X										

Education	**Doctoral School**																		
Course name	**Faculty Block C – Modern education in higher education/Methodology in higher education**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)		
W57	Knows modern technologies used in academic education, knows the concept of medical simulation and the essence of the use of e-learning in academic education		X						X										
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X										
W59	Knows the methods of classifying educational objectives based on Bloom's taxonomy Bloom's taxonomy, methods of verifying them, and knows the rules for preparing and conducting classroom observations.		X								X								
U55	Uses modern technologies in its teaching activities, including medical simulation in vocational education and e-learning classes. e-learning										X								
U56	Is able to apply the basic principles of teaching and learning in practice, prepare a lesson plan and classify educational objectives based on Bloom's taxonomy		X								X								

U57	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X								
U58	Able to independently prepare a selected form of assessment depending on the type of classes conducted and to construct a class observation protocol taking into account the characteristic elements of the educational process .		X								X								
K20	He is motivated to constantly acquire new skills and is convinced of the benefits of using modern technologies in teaching		X													X			
K21	At an advanced level, he recognizes his own limitations, self-assesses his educational deficits and needs, and plans his own educational activities		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W60	Knows and understands scientific research methodology		X						X								
U59	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X						
K22	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Creativity in problem solving**																		
Level of education	8																		
Education profile	general academic																		
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W61	Understands human functioning in psychological and social terms social aspects, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X
W63	Knows methods and strategies of creative thinking, skills interpersonal: abilities, motivations, overcoming difficulties necessary in the process of creative task and problem solving, and creative thinking functions in problem solving, practical application of the creative problem-solving process		X														X
U61	Able to analyze the problem-solving process in professional situations and assess their resources in terms of creative thinking and creative problem-solving in professional situations		X														X

U62	Is able to solve problems creatively by applying strategies and principles of creative thinking, apply strategies and principles of a creative approach in problematic situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U63	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K23	He is ready to critically evaluate his own actions and those of his colleagues, while respecting differences in worldview and culture, and to formulate opinions on aspects of professional activity that involve problem solving and seeking expert advice when difficulties arise in solving a problem independently		X																X
K24	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities, taking responsibility for the provision of health services and showing concern for one's own safety, that of the environment and colleagues		X																X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Fundamentals of Coaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W64	Knows and understands basic coaching terminology and principles		X						X								
U63	Can use knowledge of coaching to plan and act for their own development and the development of others.		X								X						
K25	Is ready to initiate activities for their own development and that of others.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U64	Can use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with		X								X						
K 2 2	He is ready to maintain and develop the ethos of research and creative environments.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Communication Skills and Self-Presentation**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X										
U65	Able to plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X								
K26	Can communicate effectively in various social and professional contexts professional contexts		X														X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U66	Is able to use critical thinking in verifying evidence-based healthcare practice healthcare based on scientific evidence		X								X						
K27	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

Appendix No. 5

TABLE OF LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVEL 8 OF THE POLISH QUALIFICATIONS FRAMEWORK

FOR THE 2020-2024 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness of the cognitive perspective and dependencies	**P8S-WG**	to a degree that enables the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place research methodology principles of disseminating scientific results, including through open access	**W05, W06, W07, W08, W12, W13, W14, W15, W16, W20, W22, W23, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W47, W48, W49, W52, W53, W54, W55, W56, W60, W66, W67**
	P8S-WK	fundamental dilemmas of contemporary civilization economic, legal, ethical, and other relevant conditions for business activity scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W17, W18, W19, W21, W24, W25, W45, W46, W50, W51, W57, W58, W59, W61, W62, W63, W64, W65**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and tasks completed	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or perform research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activities and other creative work and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U20, U21, U23, U24, U25, U30, U31, U32, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U47, U49, U50, U51, U52, U53, U56, U59**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in an international scientific environment disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree enabling participation in the international scientific and professional community	**U03, U04, U12, U13, U16, U17, U18, U19, U22, U28, U29, U65**
	P8S-UO	plan and carry out individual and team research projects or creative, also in an international environment	**U01, U06, U33, U34, U45, U46, U57, U58, U62, U64**

	P8S-UU	independently plan and act for their own development and inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U26, U27, U48, U54, U55, U60, U61, U63, U66**

W- use of knowledge, K- communication, O- work organization, U-learning

SOCIAL COMPETENCES Is ready to			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critically evaluate their own contribution to the development of a given scientific or artistic discipline recognizing the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating actions in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership of scientific results taking into account the principles of intellectual property protection intellectual property	**K01, K03, K13, K18, K20, K22, K25, K26, K27**

W – use of knowledge, C – communication, O – organization of work, L – learning

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2021-2025 education cycle

Education	**Doctoral School**																		
Subject name	**Research Design**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X								
W02	Knows how to obtain funding for scientific research using scientific communication appropriate for a given scientific discipline.			X							X								
U01	Has the skills necessary to independently design and conduct scientific research			X							X								
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X								
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X								

Education	**Doctoral School**																		
Course name	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X							
W04	Knows and understands the legal, ethical, and other relevant conditions of scientific activity and has knowledge of legal regulations regarding intellectual property protection in Poland and worldwide	X								X							

Education	**Doctoral School**																		
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area of scientific and research activities		X								X								
W06	knows basic and advanced techniques for preparing and conducting scientific and educational presentations, as well as current trends in presentation formats, methods and tools for preparing presentations, and ways of conducting them		X	X							X								
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X								
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X								
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X								

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific results, including through open access - legal, ethical, and other relevant conditions for scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	Is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Task completion	Standard OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize the cooperation of teams using different techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning its substantive structure, methodology, and correctness language and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Principles of financing and managing research grants**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery*							Methods of assessment*									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how.		X								X						
U08	Can define the purpose and subject of scientific research in the context of competition documentation. Can use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Is able to position sources of funding for their research in close connection with the research hypothesis, the effects they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, respecting the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of scientific solutions to the most pressing problems facing society.			X								X									

Education	**Doctoral School**																			
Course name	**Teaching at university**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes, including using modern teaching techniques			X							X						
U11	can assess learning outcomes			X							X						
K05	critically assesses their own teaching activities, is aware of their social and professional role, has the right attitude towards colleagues and students			X											X		

Education	**Doctoral School**																		
Course name	**Doctoral Seminar**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**		
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of their dissemination		X														X		
U12	demonstrates the ability to present the assumptions of a doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X		
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X		
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X		

Education	**Doctoral School**																		
Name of the subject	**Doctoral Symposium**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (portfolio)**
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific		X								X						
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X						
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the knowledge acquired in the field of scientific research in discussion		X								X						

Education	**Doctoral School**																			
Course name	**Specialized English**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical training	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**			
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment			X							X									
U17	Can use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X									
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X									
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific and professional environment professional			X							X									

Education	**Doctoral School**																	
Course name	**Active participation in a national conference**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (abstract)
U20	Able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U21	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, and initiate debate and participate in scientific discourse							X									X

Education	**Doctoral School**																		
Course name	**Active participation in an international conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (abstract)
U22	Able to present specialist issues to a degree that enables active participation in the international scientific community and dissemination of research results							X									X
U23	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such a transfer.							X									X

Education	**Doctoral School**																	
Course name	**Participation in specialist lectures**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360^0 assessment	Pass	Other (certificate)
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X

Education	**Doctoral School**																	
Course name	**Specialist training in Poland or abroad**																	
Level of education	8																	
Education profile	general academic																	
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcomes se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (workshops)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (certificate)
U24	Able to use knowledge from various fields of science to innovatively solve complex problems or perform research tasks, and in particular to develop methods, research techniques and tools and apply them creatively	X	X					X									X

Education	**Doctoral School**																		
Course name	**Professional Internships - Participation in classes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of implementation of the subject							Methods of verifying the effect										
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X
U25	Is able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes.				X												X
K06	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																		
Course name	**Professional Internships – Teaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X		
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences, pharmaceutical sciences, and health sciences				X												X		
U26	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X		
U27	Is able to develop and apply methods for assessing student learning outcomes in the teaching process.				X												X		
K06	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X		

Education	**Doctoral School**																		
Course name	**Specialized English - Elective BLOCK A**																		
Level of education	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U28	Able to prepare for participation in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U29	has language skills in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the basic level of the Common European Framework of Reference for Languages Language			X							X						
U30	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																			
Course name	**Modern education in higher education - Faculty BLOCK A**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
In 19	knows modern techniques in the field of teaching at a higher education institution			X					X								
U10	is able to conduct classes using modern teaching techniques			X							X						
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X		

Education	**Doctoral School**																			
Course name	**Advanced Statistical Methods - Elective BLOCK A**																			
Level of education	8																			
Education profile	General academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standard OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U31	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																			
Course name	**Preclinical Research - Elective BLOCK A**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through preclinical research phases and the possibilities of obtaining experimental drugs	X	X						X								
W22	Knows the tests used to verify the suitability of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for the mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic	X	X						X								
U31	Can select and apply appropriate statistical methods to interpret and compile research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands ethical, legal, and economic conditions designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and the principles of clinical trial monitoring			X							X						
U32	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U33	Can plan and perform simple scientific research, interpret its results, and draw conclusions			X							X						

Education	**Doctoral School**																	
Course name	**Participation in summer/winter school - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Able to participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	**Doctoral School**																	
Course name	**Trip to a foreign center - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																	
Course name	**Trip to a center in the country - Faculty BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (report)
U34	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																	
Course name	**Submitting a grant application - Faculty BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U23	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**
Course name	**Faculty Block C -** **Advances in medical sciences: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues, relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X								
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X								
U35	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and dental prophylaxis		X														X
K08	Is ready to critically evaluate the achievements of the represented scientific discipline and recognizing the importance of interdisciplinary knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern methods of diagnostic imaging imaging**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (
W28	is familiar with the issues related to contemporary immunological methods, molecular biology, and ; is familiar with the types and characteristics of biological material and its preparation for testing immunology and molecular biology, is familiar with phenotyping techniques, and is familiar with tests used for the qualitative and quantitative determination of antigens, antibodies, and immune complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	**Doctoral School**																		
Subject name	**Faculty Block C - Advances in Medical Sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X										
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, and dental prosthetics		X						X										
U36	Able to analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, dental prosthetics		X														X		
K08	He is ready to critically evaluate the achievements of the scientific discipline he represents and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X		

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U37	Has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K08	Is ready to critically evaluate the achievements of the represented and to recognize the importance of knowledge interdisciplinary approach to solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W32	is familiar with current Polish and global achievements, including theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X								
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X								
U38	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics.		X														X
K09	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which he is pursuing his doctoral project) in solving cognitive and practical problems		X														X

Education	**Doctoral School**
Name of the subject	**Faculty Block C - INNOVATION IN NURSING RESEARCH**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														
U39	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning. innovative scientific research in the field of nursing, including international cooperation		X														
K10	Is ready to independently undertake innovative research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Innovation in Obstetrics Research**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360^{0} assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U 4	Is able to indicate directions for innovative research in obstetrics		X						X								
K 1	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Innovation in medical physiotherapy research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																			
Course name	**Faculty Block C - Innovation in medical rescue research**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U41	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K08	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - INNOVATION IN DIETETICS RESEARCH**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research directions in this area, as well as the possibilities of selected clinical applications		X						X								

Education	**Doctoral School**																	
Course name	**Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X	
U42	is able to apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X						
U43	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic techniques spectroscopic		X								X						

K12	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra of natural compounds		X																	X
K13	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results of scientific activity		X																	X

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Chromatographic separation techniques – application in pharmacy and medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W40	Knows and understands to a degree that allows for the revision of existing paradigms – global achievements covering theoretical foundations and general issues, as well as selected specific issues related to analytical methods, in particular chromatographic techniques		X														X		
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences		X														X		
U44	Is able to use knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X		
K14	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating scientific achievements within the framework of separation techniques		X														X		

Education	**Doctoral School**																		
Subject name	**Faculty block C - Modern techniques in laboratory medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Is able to communicate on specialized topics to a degree that enables active participation in an international scientific environment		X														X
K15	He is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**FACULTY BLOCK C - ADVANCES IN THE ANALYSIS AND EVALUATION OF THE QUALITY OF PLANT SUBSTANCES**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the study of the biological activity of plant substances in vitro and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U45	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U46	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and is able to interpret them		X								X						
K15	He is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	**Doctoral School**
Course name	**Faculty Block C - Advanced methods of drug design and synthesis**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	advanced level – selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the field of scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activities related to their field of study		X													X	
U47	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X	
U48	formulate and solve problems and perform tasks typical of professional activities related to the field of study - in the case of practical studies		X													X	

K16	critical assessment of existing knowledge and perceived content recognition of the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - Chemometric analysis of experimental data**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W46	knows the theoretical foundations and understands the need to apply experimental design techniques in order to obtain accurate results		X						X											
U49	is able to obtain the theoretical spectrum of a compound using computational methods with using appropriate software, as well as interpret the experimental spectrum based on the results of such calculations		X														X			
U50	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X			

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements – including selected specific issues – relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																	
Subject name	**Faculty Block C - Validation of analytical methods**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U51	is able to define the purpose and subject of scientific research, formulate research hypotheses, develop research methods, techniques, and tools, apply them creatively, and draw conclusions based on the results of scientific research		X								X						

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Regenerative Medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant to due to the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	is familiar with the latest achievements in the field of tissue engineering and biomedical engineering in the context of their application in regenerative medicine regenerative		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U52	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						
K17	is ready to critically evaluate the achievements of the discipline , and critically evaluate his own contribution to the development of this discipline		X														X

K18	is ready to conduct scientific activity independently and take on new challenges		X																		X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Contemporary Issues in Infectious Diseases**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (attendance)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological agents to a degree that allows for independent planning of solutions research problems		X						X								
U53	Use the latest knowledge in the field of infectious diseases to analyze problems and create statements to a degree that enables active participation in scientific discussion		X						X								

U54	Independently search for necessary information on current issues in infectious diseases and expand one's own competence and take actions aimed at your own scientific development		X						X										
K07	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K19	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	**Doctoral School**																	
Name of subject	**Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to a degree enabling the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues – relevant to a given scientific or artistic discipline main trends in the development of scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																			
Subject name	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W55	To the extent necessary to revise existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues, as well as development trends in a given scientific or artistic discipline		X						X											
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X											

Education	**Doctoral School**																			
Course name	**Faculty Block C – Modern education in higher education/Methodology in higher education**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)			
W57	Knows modern technologies used in academic education, knows the concept of medical simulation and the essence of the use of e-learning in academic education		X						X											
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X											
W59	Knows the methods of classifying educational objectives based on Bloom's taxonomy Bloom's taxonomy, methods of verifying them, and knows the rules for preparing and conducting classroom observations.		X								X									
U55	Uses modern technologies in its teaching activities, including medical simulation in vocational education and e-learning classes. e-learning										X									
U56	Is able to apply the basic principles of teaching and learning in practice, prepare a lesson plan and classify educational objectives based on Bloom's taxonomy		X								X									

U57	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X								
U58	Able to independently prepare a selected form of assessment depending on the type of classes conducted and to construct a class observation protocol taking into account the characteristic elements of the educational process .		X								X								
K20	He is motivated to constantly acquire new skills and is convinced of the benefits of using modern technologies in teaching		X													X			
K21	At an advanced level, he recognizes his own limitations, self-assesses his educational deficits and needs, and plans his own educational activities		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W60	Knows and understands scientific research methodology		X						X								
U59	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X						
K22	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Creativity in problem solving**																		
Level of education	8																		
Education profile	general academic																		
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcome se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W61	Understands human functioning in psychological and social terms social aspects, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X
W63	Knows methods and strategies of creative thinking, skills interpersonal: abilities, motivations, overcoming difficulties necessary in the process of creative task and problem solving, and creative thinking functions in problem solving, practical application of the creative problem-solving process		X														X
U61	Able to analyze the problem-solving process in professional situations and assess their resources in terms of creative thinking and creative problem-solving in professional situations		X														X

U62	Is able to solve problems creatively by applying strategies and principles of creative thinking, apply strategies and principles of a creative approach in problematic situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U63	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K23	He is ready to critically evaluate his own actions and those of his colleagues, while respecting differences in worldview and culture, and to formulate opinions on aspects of professional activity that involve problem solving and seeking expert advice when difficulties arise in solving a problem independently		X																X
K24	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities, taking responsibility for the provision of health services and showing concern for one's own safety, that of the environment and colleagues		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Fundamentals of Coaching**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W64	Knows and understands basic coaching terminology and principles		X						X								
U63	Can use knowledge of coaching to plan and act for their own development and the development of others.		X								X						
K25	Is ready to initiate activities for their own development and that of others.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U64	Can use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with it		X								X						
K 2 2	He is ready to maintain and develop the ethos of research and creative environments.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Communication skills and self-presentation**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X								
U65	Able to plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X						
K26	Can communicate effectively in various social and professional contexts professional contexts		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U66	Can use critical thinking to verify evidence-based healthcare practice health care based on scientific evidence		X								X						
K27	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

TABLE OF LEARNING OUTCOMES FOR LEVEL 8 PRK QUALIFICATIONS

FOR THE 2021-2025 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness of the cognitive perspective and dependencies	**P8S-WG**	to a degree that enables the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place research methodology principles of disseminating scientific results, including through open access	**W05, W06, W07, W08, W12, W13, W14, W15, W16, W20, W22, W23, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W42, W43, W44, W47, W48, W49, W52, W53, W54, W55, W56, W60, W66, W67**
	P8S-WK	fundamental dilemmas of contemporary civilization economic, legal, ethical, and other relevant conditions for business activity scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific research results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W17, W18, W19, W21, W24, W25, W45, W46, W50, W51, W57, W58, W59, W61, W62, W63, W64, W65**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and tasks completed	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or perform research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activities and other creative work, and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U20, U21, U23, U24, U25, U30, U31, U32, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U47, U49, U50, U51, U52, U53, U56, U59**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in an international scientific environment disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree that enables participation in the international scientific and professional community	**U03, U04, U12, U13, U16, U17, U18, U19, U22, U28, U29, U65**
	P8S-UO	plan and carry out individual and team research projects or creative, also in an international environment	**U01, U06, U33, U34, U45, U46, U57, U58, U62, U64**

	P8S-UU	independently plan and act for their own development and inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U26, U27, U48, U54, U55, U60, U61, U63, U66**

W- use of knowledge, K- communication, O- work organization, U-learning

SOCIAL COMPETENCES Is ready to			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critically evaluate their own contribution to the development of a given scientific or artistic discipline recognizing the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating actions in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership of scientific results taking into account the principles of intellectual property protection intellectual property	**K01, K03, K13, K18, K20, K22, K25, K26, K27**

W – use of knowledge, C – communication, O – work organization, L – learning

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2022-2026 education cycle

Education	**Doctoral School**																		
Subject name	**Research Design**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X								
W02	Knows how to obtain funding for scientific research using scientific communication appropriate for a given scientific discipline.			X							X								
U01	Has the skills necessary to independently design and conduct scientific research			X							X								
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X								
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X								

Education	**Doctoral School**																			
Course name	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**			
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X										
W04	Knows and understands the legal, ethical, and other relevant conditions of scientific activity and has knowledge of legal regulations regulations concerning the protection of intellectual property in Poland and worldwide	X								X										

Education	**Doctoral School**																		
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area of scientific and research activities		X								X								
W06	knows basic and advanced techniques for preparing and conducting scientific and educational presentations, as well as current trends in presentation formats, methods and tools for preparing presentations, and ways of conducting them		X	X							X								
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X								
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X								
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X								

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific results, including through open access - legal, ethical, and other relevant conditions for scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	Is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Task completion	Standard OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize the cooperation of teams using different techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning its substantive structure, methodology, and correctness. language and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Principles of financing and managing research grants**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery*							Methods of assessment*									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how.		X								X						
U08	Can define the purpose and subject of scientific research in the context of competition documentation. Can use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Is able to position sources of funding for their research in close connection with the research hypothesis, the effects they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, respecting the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of scientific solutions to the most pressing problems facing society.			X								X									

Education	**Doctoral School**																			
Course name	**Teaching at university**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes, including using modern teaching techniques			X							X						
U11	can assess learning outcomes			X							X						
K05	critically assesses their own teaching activities, is aware of their social and professional role, has the right attitude towards colleagues and students			X											X		

Education	**Doctoral School**																		
Course name	**Doctoral Seminar**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**		
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of their dissemination		X														X		
U12	demonstrates the ability to present the assumptions of a doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X		
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X		
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X		

Education	**Doctoral School**																		
Name of the subject	**Doctoral Symposium**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals .		X								X						
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X						
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the knowledge acquired in the field of scientific research in discussion		X								X						

Education	**Doctoral School**																			
Course name	**Specialized English**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment			X							X						
U17	Can use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X						
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific environment and professional			X							X						

Education	**Doctoral School**																			
Subject name	**Polish language for foreigners**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)**
U20	Able to plan and implement individual creative projects, including in an international environment			X							X						
U21	Can communicate in typical everyday situations, can formulate simple questions about topics they are most familiar with or the most necessary matters, and respond to such questions. questions			X							X						
U22	Can produce clear, detailed, and well-structured written and oral reports on complex issues, using appropriate organizational patterns			X							X						
K06	Understands the need for cooperation in a culturally diverse group, the need for independent work and learning for further development, and recognizes the importance of intercultural knowledge.			X													X

Education	**Doctoral School**																		
Course name	**Active participation in a national conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (abstract)
U23	They are able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U24	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, initiate debate, and participate in scientific discourse							X									X

Education	**Doctoral School**																		
Course name	**Active participation in an international conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (abstract)
U25	Able to present specialist issues to a degree that enables active participation in the international scientific community and dissemination of research results							X									X
U26	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such a transfer.							X									X

Education	**Doctoral School**																	
Course name	**Participation in specialist lectures**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (certificate)
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X

Education	**Doctoral School**																		
Course name	**Specialist training in Poland or abroad**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (workshops)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (certificate)		
U27	Able to use knowledge from various fields of science to innovatively solve complex problems or perform research tasks, and in particular develop methods, research techniques and tools and apply them creatively	X	X					X									X		

Education	**Doctoral School**																	
Course name	**Professional Internships - Participation in classes**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X
U28	Able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes				X												X
K07	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																			
Course name	**Professional Internships – Teaching**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360^0 assessment	Pass	Other (report)
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences, pharmaceutical sciences, and health sciences				X												X
U29	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X
U30	Is able to develop and apply methods for assessing student learning outcomes in the teaching process.				X												X
K07	Is ready to fulfill the social and ethical obligations of researchers. in the field of staff training and dissemination of knowledge in an attractive cognitive form leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																		
Course name	**Specialized English - Elective BLOCK A**																		
Level	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360^{0} assessment	Pass	Other (.....
U31	Can prepare to participate in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the European System for the Description of Language Education			X							X						
U33	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																		
Course name	**Polish Language - Elective BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U17	Able to use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline, in accordance with the requirements specified for the European System for the Description of Language Education			X							X						
U33	can search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																		
Course name	**Modern education in higher education - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
In 19	is familiar with modern techniques in the field of higher education			X					X								
U10	is able to conduct classes using modern teaching techniques			X							X						
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X		

Education	**Doctoral School**																			
Course name	**Advanced Statistical Methods - Elective BLOCK A**																			
Level of education	8																			
Education profile	General academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Preclinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through preclinical research phases and the possibilities of obtaining experimental drugs	X	X						X								
W22	Knows the tests used to verify the eligibility of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for the mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic	X	X						X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands the ethical, legal, and economic conditions of designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and clinical trial monitoring principles			X							X						
U35	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U36	Can plan and perform simple scientific studies, interpret their results, and draw conclusions			X							X						

Education	**Doctoral School**																	
Course name	**Participation in summer/winter school - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment completion	OSCE exam	Reflective essay	Written exam	360^{o} assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Can participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	**Doctoral School**																	
Course name	**Trip to a foreign center - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																	
Course name	**Trip to a center in the country - Faculty BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																		
Course name	**Submitting a grant application - Faculty BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Can use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U26	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**																			
Course name	**Faculty Block C -** **Advances in medical sciences: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X								
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X								
U38	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and dental prophylaxis		X														X

| | | |

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern imaging diagnostics**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (
W28	is familiar with the issues related to contemporary immunological methods, molecular biology, and ; is familiar with the types and characteristics of biological material and its preparation for testing immunology and molecular biology, is familiar with phenotyping techniques, and is familiar with tests used for the qualitative and quantitative determination of antigens, antibodies, and immune complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Medical Sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, and dental prosthetics		X						X								
U39	Able to analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, dental prosthetics		X														X
K09	He is ready to critically evaluate the achievements of the scientific discipline he represents and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U40	Has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K09	Is ready to critically evaluate the achievements of the represented and to recognize the importance of knowledge interdisciplinary approach to solving cognitive and practical problems practical		X														X

Education	**Doctoral School**																			
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W32	is familiar with current Polish and global achievements, including theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X								
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X								
U41	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X														X
K10	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which he is pursuing his doctoral project) in solving cognitive and practical problems		X														X

Education	**Doctoral School**
Name of the subject	**Faculty Block C - INNOVATION IN NURSING RESEARCH**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														
U42	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning. innovative scientific research in the field of nursing, including international cooperation		X														
K11	Is ready to independently undertake innovative research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C – Innovation in Obstetrics Research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (……	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U4 3	Is able to indicate directions for innovative research in obstetrics		X						X								
K1 2	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Innovation in medical physiotherapy research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																				
Course name	**Faculty Block C - Innovation in medical rescue research**																				
Level of education	8																				
Education profile	general academic																				
		Forms of course delivery							Methods of verifying learning outcomes												
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U44	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K09	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	**Doctoral School**																		
Course name	**Faculty Block C - INNOVATION IN DIETETICS RESEARCH**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research trends in this area, as well as the possibilities of selected clinical applications		X						X								

Education	**Doctoral School**
Course name	**Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X	
U45	can apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X						
U46	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic techniques spectroscopic		X								X						

K13	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra of natural compounds		X																	X
K14	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results of scientific activity		X																	X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Chromatographic separation techniques – application in pharmacy and medicine**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W40	Knows and understands to a degree that allows for the revision of existing paradigms – global achievements covering theoretical foundations, general issues, and selected specific issues related to analytical methods, in particular chromatographic techniques		X														X
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences.		X														X
U47	Can apply knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X
K15	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating scientific achievements within the framework of separation techniques		X														X

Education	**Doctoral School**																		
Subject name	**Faculty block C - Modern techniques in laboratory medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Is able to communicate on specialized topics to a degree that enables active participation in an international scientific environment		X														X
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**OPTIONAL COURSE BLOCK C - ADVANCES IN THE ANALYSIS AND QUALITY ASSESSMENT OF PLANT SUBSTANCES**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the in vitro testing of the biological activity of plant substances and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U48	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U49	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and is able to interpret them		X								X						
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	**Doctoral School**																		
Course name	**Faculty Block C - Advanced methods of drug design and synthesis**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	at an advanced level - selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activity related to their field of study		X													X	
U50	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X	
U51	formulate and solve problems and perform tasks typical for professional activities related to the field of study - in the case of practical studies		X													X	

K17	critically evaluate their knowledge and the content they receive recognize the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - Chemometric analysis of experimental data**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W46	knows the theoretical foundations and understands the need to use experimental design techniques in order to obtain the correct results		X						X								
U52	knows how to obtain the theoretical spectrum of a compound using computational methods from using appropriate software, as well as interpreting the experimental spectrum based on the results of such calculations		X														X
U53	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements—including selected specific issues—relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																		
Subject name	**Faculty Block C - Validation of analytical methods**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)		
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X								
U54	is able to define the purpose and subject of scientific research, formulate research hypotheses, develop research methods, techniques, and tools, apply them creatively, and draw conclusions based on the results of scientific research		X								X								

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Regenerative Medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	is familiar with the latest achievements in the field of tissue engineering and biomedical engineering in the context of their application in regenerative medicine regenerative medicine		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
U55	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						
K18	is ready to critically evaluate the achievements of the discipline scientific, critical assessment of one's own contribution to the development of this discipline		X														X

K19	is ready to conduct scientific activity independently and take on new challenges		X																	X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Contemporary Problems of Infectious Diseases**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (presence)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological agents to a degree that allows for independent planning of solutions research problems		X						X								
U56	Use the latest knowledge in the field of infectious diseases to analyze the problem and formulate statements to a degree that enables active participation in scientific discussion		X						X								

U57	Independently search for necessary information on current infectious disease issues and expand your competence and take actions aimed at your own scientific development		X						X										
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K20	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	**Doctoral School**																	
Course name	**Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of implementation of the subject							Methods of verifying the effect									
Symbol of learning outcomes se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to a degree enabling the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues – relevant to a given scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																			
Name of subject	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W55	To a degree enabling the revision of existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues and trends development of a given scientific or artistic discipline		X						X											
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X											

Education	**Doctoral School**
Course name	**Faculty Block C – Modern education in higher education/Methodology in higher education**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W57	Is familiar with modern technologies used in academic education, understands the concept of medical simulation and the essence of the use of e-learning in academic education		X						X								
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X								
W59	Knows the methods of classifying educational objectives based on Bloom's taxonomy Bloom's taxonomy, methods of verifying them, and knows the rules for preparing and conducting classroom observations.		X								X						
U58	U59 e-learning										X						
U59	Can apply basic teaching and learning principles in practice, prepare lesson plans, and classify educational objectives based on Bloom's taxonomy		X								X						

U60	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X								
U61	Able to independently prepare a selected form of assessment depending on the type of classes conducted and to construct a class observation protocol taking into account the characteristic elements of the educational process .		X								X								
K21	Is motivated to continuously acquire new skills and convinced of the benefits of using modern technologies in teaching		X													X			
K22	At an advanced level, recognizes their own limitations, self-assesses their educational deficits and needs, plans their own educational activities		X																X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W60	Knows and understands scientific research methodology		X						X										
U62	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X								
K23	Is ready to maintain and develop the ethos of research and creative environments		X														X		

Education	**Doctoral School**																		
Course name	**Faculty Block C - Creativity in problem solving**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W61	Understands human functioning in psychological and social terms social aspects, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X		
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X		
W63	Knows methods and strategies of creative thinking, interpersonal skills interpersonal skills: abilities, motivations, overcoming difficulties necessary in the process of creative problem solving and creative thinking functions in problem solving, practical application of the creative problem-solving process		X														X		
U63	Able to analyze the problem-solving process in professional situations and assess their resources in terms of creative thinking and creative problem-solving in professional situations		X														X		

U64	Is able to solve problems creatively by applying strategies and principles of creative thinking, apply strategies and principles of a creative approach in problematic situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U65	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K24	Is ready to critically evaluate their own actions and those of their colleagues while respecting differences in worldviews and cultures, and to formulate opinions on aspects of the business professional skills related to problem solving and seeking expert advice when difficulties arise in solving a problem independently		X																X
K25	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities taking responsibility for the provision of health services and showing concern for one's own safety, that of the environment and colleagues		X																X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Fundamentals of Coaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W64	Knows and understands basic coaching terminology and principles		X						X								
U66	Can use knowledge of coaching to plan and act for their own development and the development of others.		X								X						
K26	Is ready to initiate activities for their own development and that of others.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U67	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with it		X								X						
K2 3	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Communication skills and self-presentation**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X								
U68	Can plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X						
K27	Can communicate effectively in various social and professional contexts professional contexts		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U69	Is able to use critical thinking in verifying evidence-based healthcare practice healthcare based on scientific evidence		X								X						
K28	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

Education	**Doctoral School**																		
Course name	**Faculty Block C - Cosmeceuticals - from composition to application**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X								X						
W68	knows the definition of cosmeceuticals, is able to characterize their composition and action, and perform selected treatments taking into account the use of cosmeceuticals		X								X						
U70	is able to participate in scientific discourse, disseminate the results of scientific activity, including in popular forms, and use a foreign language		X								X						X
U71	has the ability to communicate with others using specialized terminology		X														X
K29	applies the principles of professional ethics		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Precision Oncology**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W69	Knows and understands the mechanism of action of targeted therapies and immunotherapy used in the treatment of cancer cancer		X						X								
U72	Able to qualify patients for personalized treatment based on the results of genetic and immunological tests		X								X						
K30	Communicate about personalized therapies in oncology and actively present the results of patient treatment at international forums , including in the form of oral presentations		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Innovative diagnostics and therapy in pediatric oncology**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying the effect									
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X													X	
U 7 3	Can define the purpose and subject of scientific research, formulate a research hypothesis, develop methods, techniques, and tools research and apply them creatively, and draw conclusions based on scientific research		X													X	

Education	**Doctoral School**																			
Course name	**Faculty Block C – Translational Hemato-Oncology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)			
W70	Knows and understands the importance of the microbiome in carcinogenesis and new methods of immunotherapy in hemato-oncology.		X						X											
W71	Knows the principles of conducting commercial and non-commercial clinical trials in hemato-oncology		X						X											
U74	Can identify treatment goals and monitor treatment effectiveness.		X														X			

TABLE OF LEARNING OUTCOMES FOR LEVEL 8 PRK QUALIFICATIONS

FOR THE 2022-2026 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness of the cognitive perspective and interdependencies	**P8S-WG**	to a degree enabling the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place research methodology principles of disseminating scientific results, including through open access	**W05, W06, W07, W08, W12, W13, W14, W15, W16, W20, W22, W23, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W42, W42, W43, W44, W47, W48, W49, W52, W53, W54, W55, W56, W60, W66, W67, W68, W69**
	P8S-WK	fundamental dilemmas of contemporary civilization economic, legal, ethical, and other relevant conditions of business activity scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W17, W18, W19, W21, W24, W25, W45, W46, W50, W51, W57, W58, W59, W61, W62, W63, W64, W65, W70, W71**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and tasks performed	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or performing research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activity and other creative work and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U21, U23, U24, U25, U30, U31, U32, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U47, U49, U50, U52, U53, U56, U59, U67, U73**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in the international scientific community disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree that enables participation in an international scientific and professional environment	**U03, U04, U12, U13, U16, U17, U18, U19, U20, U22, U28, U29, U65, U70, U71**
	P8S-UO	plan and carry out individual and team research projects or creative, also in an international environment	**U01, U06, U33, U34, U45, U46, U57, U58, U62, U64, U68, U72, U74**

	P8S-UU	independently plan and act for one's own development and inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U26, U27, U48, U51, U54, U55, U60, U61, U63, U66, U69**

W – use of knowledge, C – communication, O – organization of work, L – learning

SOCIAL COMPETENCES Is ready to			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critically evaluate their own contribution to the development of a given scientific or artistic discipline recognition of the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24, K30**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating activities in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership of scientific results taking into account the principles of intellectual property protection intellectual property	**K01, K03, K13, K18, K20, K22, K25, K26, K27, K28, K29**

W- use of knowledge, K- communication, O- work organization, U-learning

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2023-2027 education cycle

Education	**Doctoral School**
Course name	**Research Design**
Level of education	8
Education profile	general academic

		Forms of course delivery*							Methods of assessment*								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X						
W02	Knows how to obtain funding for scientific research using scientific communication appropriate for a given scientific discipline			X							X						
U01	Possesses the skills necessary to independently design and conduct scientific research			X							X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X						
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X						

Education	**Doctoral School**																			
Course name	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X							
W04	Knows and understands the legal, ethical, and other relevant conditions of scientific activity and has knowledge of regulations legal regulations concerning intellectual property protection in Poland and worldwide	X								X							

Education	**Doctoral School**																		
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**		
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area of scientific and research activities		X								X								
W06	knows basic and advanced techniques for preparing and conducting scientific and educational presentations, as well as current trends in presentation formats, methods and tools for preparing presentations, and ways of conducting them		X	X							X								
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X								
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X								
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X								

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific research results, including through open access - legal, ethical, and other relevant conditions of scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	He is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize cooperation between teams using different techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning substantive structure, methodology, linguistic correctness and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Rules for financing and managing research grants**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery*							Methods of assessment*									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how.		X								X						
U08	Is able to define the purpose and subject of scientific research in the context of competition documentation. Is able to use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Able to position sources of funding for their research in close connection with the research hypothesis, the effects they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, respecting the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of scientific solutions to the most pressing problems facing society.			X								X									

Education	**Doctoral School**																			
Course name	**Teaching in higher education**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of verifying the effect*										
Symbol of the learning effect see	Description of learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes, including using modern teaching techniques			X							X						
U11	is able to assess learning outcomes			X							X						
K05	critically evaluates their own teaching activities, is aware of their social and professional role, and has an appropriate attitude towards colleagues and students			X											X		

Education	**Doctoral School**																		
Course name	**Doctoral Seminar**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**		
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of their dissemination		X														X		
U12	demonstrates the ability to present the assumptions of the doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X		
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X		
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X		

Education	**Doctoral School**																			
Name of the subject	**Doctoral Symposium**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals .		X								X						
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X						
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the knowledge acquired in the field of scientific research in discussion		X								X						

Education	**Doctoral School**																			
Course name	**Specialized English**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment			X							X						
U17	Can use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X						
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific and professional environment professional			X							X						

Education	**Doctoral School**																			
Course name	**Polish language for foreigners**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)**
U20	Able to plan and implement individual creative projects, including in an international environment			X							X						
U21	Can communicate in typical everyday situations, can formulate simple questions about topics they are most familiar with or the most necessary matters, and respond to such questions. questions			X							X						
U22	Can produce clear, detailed, and well-structured written and oral reports on complex issues, using appropriate organizational patterns			X							X						
K06	Understands the need for cooperation in a culturally diverse group, the need for independent work and learning for further development, and recognizes the importance of intercultural knowledge.			X													X

Education	**Doctoral School**																		
Course name	**Active participation in a national conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (abstract)
U23	They are able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U24	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, initiate debate, and participate in scientific discourse							X									X

Education	**Doctoral School**																		
Course name	**Active participation in an international conference**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (abstract)
U25	Able to present specialist issues to a degree that enables active participation in the international scientific community and dissemination of research results							X									X
U26	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such a transfer.							X									X

Education	**Doctoral School**																		
Course name	**Participation in specialist lectures**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (certificate)		
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X		
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X		

Education	**Doctoral School**																	
Course name	**Specialist training in Poland or abroad**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (workshops)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (certificate)
U27	Able to use knowledge from various fields of science to innovatively solve complex problems or perform research tasks, and in particular develop methods, research techniques and tools and apply them creatively	X	X					X									X

Education	**Doctoral School**																	
Course name	**Professional Internships - Participation in classes**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X
U28	Able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes				X												X
K07	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																		
Course name	**Professional Internships – Teaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standard OSCE exam	Reflective essay	Written exam	360^0 assessment	Pass	Other (report)
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences, pharmaceutical sciences, and health sciences				X												X
U29	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X
U30	Is able to develop and apply methods for assessing student learning outcomes in the teaching process.				X												X
K07	Is ready to fulfill the social and ethical obligations of researchers. in the field of staff training and dissemination of knowledge in an attractive cognitive form leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																		
Subject name	**Specialized English - Elective BLOCK A**																		
Level	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360^0 assessment	Pass	Other (...
U31	Can prepare to participate in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the European System for the Description of Language Education			X							X						
U33	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																		
Course name	**Polish language - Elective course BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U17	Able to use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline, in accordance with the requirements specified for the Common European Framework of Reference for Languages			X							X						
U33	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																			
Course name	**Modern education in higher education - Faculty BLOCK A**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....			
In 19	knows modern techniques in the field of teaching at a higher education institution			X					X											
U10	is able to conduct classes using modern teaching techniques			X							X									
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X					

Education	**Doctoral School**																			
Course name	**Advanced Statistical Methods - Elective BLOCK A**																			
Level of education	8																			
Education profile	General academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Preclinical Research - Elective BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through preclinical research phases and the possibilities of obtaining experimental drugs	X	X						X								
W22	Knows the tests used to verify the suitability of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic effect	X	X						X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands the ethical, legal, and economic conditions of designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and the principles of clinical trial monitoring			X							X						
U35	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U36	Can plan and perform simple scientific research, interpret its results, and draw conclusions			X							X						

Education	**Doctoral School**																		
Course name	**Participation in summer/winter school - Elective BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol become	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Can participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	**Doctoral School**																	
Course name	**Trip to a foreign center - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol become	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (report)
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																		
Course name	**Trip to a center in the country - Faculty BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X		

Education	**Doctoral School**																	
Course name	**Submitting a grant application - Faculty BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U26	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**																			
Course name	**Faculty Block C -** **Advances in medical sciences: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues, relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X								
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X								
U38	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and dental prophylaxis		X														X

K09	He is ready to critically evaluate the achievements of the scientific discipline he represents and recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems. practical		X																		X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern methods of diagnostic imaging**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (
W28	is familiar with contemporary immunological methods, molecular biology, and imaging techniques ; knows the types and characteristics of biological material and its preparation for immunological and molecular biology research, knows the techniques phenotyping techniques, knows tests used for qualitative and quantitative determination of antigens, antibodies and immunological complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Medical Sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol become	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, and dental prosthetics		X						X								
U39	Can analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, and dental prosthetics		X														X
K09	Is ready to critically evaluate the achievements of the represented and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U40	Has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K09	He is ready to critically evaluate the achievements of the scientific discipline he represents and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W32	knows current Polish and global achievements, which include theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X								
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X								
U41	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X														X
K10	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which the doctoral project is carried out) in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - INNOVATION IN NURSING RESEARCH**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														
U42	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning innovative scientific research in nursing, including international cooperation.		X														
K11	Is ready to independently undertake innovative scientific research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C – Innovation in Obstetrics Research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U4 3	Is able to indicate directions for innovative research in obstetrics		X						X								
K1 2	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Innovation in medical physiotherapy research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																			
Course name	**Faculty Block C - Innovation in medical rescue research**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course implementation							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U44	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K09	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - INNOVATION IN DIETETICS RESEARCH**																	
Level	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research trends in this area, as well as the possibilities of selected clinical applications		X						X								

Education	**Doctoral School**
Course name	**Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X	
U45	is able to apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X						
U46	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic techniques spectroscopic		X								X						

K13	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra of natural compounds		X																X
K14	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results scientific activity		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Chromatographic separation techniques - application in pharmacy and medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W40	Knows and understands to a degree sufficient to revise existing paradigms – global achievements covering theoretical foundations and general issues, as well as selected specific issues related to analytical methods, in particular chromatographic techniques		X														X
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences.		X														X
U47	Is able to use knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X
K15	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating achievements scientific research in the field of separation techniques		X														X

Education	**Doctoral School**																		
Subject name	**Faculty block C - Modern techniques in laboratory medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Can communicate on specialized topics to a degree that enables active participation in an international scientific environment		X														X
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**OPTIONAL COURSE BLOCK C - ADVANCES IN THE ANALYSIS AND QUALITY ASSESSMENT OF PLANT SUBSTANCES**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the study of the biological activity of plant substances in vitro and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U48	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U49	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and be able to interpret them interpret		X								X						
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - Advanced methods of drug design and synthesis**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	at an advanced level – selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activity related to their field of study		X													X		
U50	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X		
U51	formulate and solve problems and perform tasks typical for professional activities related to the field of study - in in the case of practical studies		X													X		

K17	critical assessment of existing knowledge and perceived content recognition of the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - Chemometric analysis of experimental data**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W46	knows the theoretical foundations and understands the need to use experimental design techniques in order to obtain the correct results		X						X											
U52	knows how to obtain the theoretical spectrum of a compound using computational methods with using appropriate software, as well as interpret the experimental spectrum based on the results of such calculations		X														X			
U53	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X			

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements – including selected specific issues – relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Validation of analytical methods**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)		
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X								
U54	is able to define the purpose and subject of scientific research, formulate research hypotheses, develop research methods, techniques, and tools, apply them creatively, and draw conclusions based on the results of scientific research		X								X								

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Regenerative Medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	knows the latest achievements in the field of tissue engineering and biomedical engineering in the context of their application in regenerative medicine regenerative		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or performing research tasks		X								X						
U55	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						
K18	is ready to critically evaluate the achievements of the discipline , critically evaluate their own contribution to the development of this discipline		X														X

K19	is ready to conduct scientific activity independently and take on new challenges		X																	X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Contemporary Problems of Infectious Diseases**																			
Level of education	8																			
Education profile	general academic																			
		Forms of implementation of the subject							Methods of verifying the effect										
Symbol of learning outcomes se	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological factors to a degree that allows for independent planning of solutions research problems		X						X								
U56	Use the latest knowledge in the field of infectious diseases to analyze the problem and formulate statements to a degree that enables active participation in scientific discussion		X						X								

U57	Independently search for necessary information on current issues in infectious diseases and expand one's own competence and take actions aimed at your own scientific development		X						X										
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K20	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	**Doctoral School**																	
Course name	**Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to an extent that allows for the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues relevant to a given scientific or artistic discipline the main development trends in scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																			
Subject name	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (attendance)			
W55	To a degree enabling the revision of existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues, as well as development trends in a given scientific or artistic discipline		X						X											
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X											

Education	**Doctoral School**																		
Course name	**Faculty Block C – Modern education in higher education/Methodology in higher education**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying the effect										
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)		
W57	Knows modern technologies used in academic education, knows the concept of medical simulation and the essence of the use of e-learning in academic education		X						X										
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X										
W59	Knows methods of classifying educational objectives based on Bloom's taxonomy , methods of verifying them, and knows the rules for preparing and conducting classroom observations		X								X								
U58	U59 e-learning										X								
U59	Is able to apply the basic principles of teaching and learning in practice, prepare a lesson plan and classify educational objectives based on Bloom's taxonomy		X								X								

U60	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X								
U61	Can independently prepare a selected form of assessment depending on the type of classes conducted and construct a lesson observation protocol that takes into account the characteristic elements of the medical education process .		X								X								
K21	Is motivated to continuously acquire new skills and convinced of the benefits of using modern technologies in teaching		X														X		
K22	To an advanced degree, he recognizes his own limitations, self-assesses his educational deficits and needs, and plans his own educational activities		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying the effect								
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W60	Knows and understands scientific research methodology		X						X								
U62	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X						
K23	He is ready to maintain and develop the ethos of research and creative environments.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Creativity in problem solving**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W61	Understands human functioning in psychological terms and social, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X
W63	Knows methods and strategies of creative thinking, interpersonal skills interpersonal skills: abilities, motivations, overcoming difficulties necessary in the process of creative task and problem solving, and the functions of creative thinking in problem solving, practical application of the creative problem-solving process		X														X
U63	Able to analyze the problem-solving process in professional situations and assess their resources in terms of creative thinking and creative problem-solving in professional situations		X														X

U64	Can solve problems creatively by applying strategies and principles of creative thinking, apply strategies and principles of creative thinking in problem situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U65	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K24	Is ready to critically evaluate their own actions and those of their colleagues while respecting differences in worldviews and cultures, and to formulate opinions on aspects of professional activity that involve problem solving and seeking expert advice when unable to solve a problem independently.		X																X
K25	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities, taking responsibility for the provision of health services and showing concern for one's own safety, that of the environment and colleagues		X																X

Education	**Doctoral School**
Name of subject	**Faculty Block C - Fundamentals of Coaching**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)
W64	Knows and understands basic coaching terminology and principles		X						X								
U66	Can use knowledge of coaching to plan and act for their own development and the development of others.		X								X						
K26	Is ready to initiate activities for their own development and that of others		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U67	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with		X								X						
K2 3	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Communication skills and self-presentation**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying the effect									
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X								
U68	Able to plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X						
K27	Can communicate effectively in various social and professional contexts professional		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U69	Can use critical thinking to verify evidence-based healthcare practice healthcare based on scientific evidence		X								X						
K28	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

Education	**Doctoral School**																			
Course name	**Faculty Block C - Cosmeceuticals - from composition to application**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X								X						
W68	knows the definition of cosmeceuticals, is able to characterize their composition and action, and perform selected treatments taking into account the use of cosmeceuticals		X								X						
U70	is able to participate in scientific discourse, disseminate the results of scientific activity, including in popular forms, and use a foreign language		X								X						X
U71	has the ability to communicate with others using specialized terminology		X														X
K29	applies the principles of professional ethics		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Precision Oncology**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W69	Knows and understands the mechanism of targeted therapies molecular and immunotherapy used in the treatment of cancer cancer		X						X								
U72	Able to qualify patients for personalized treatment based on the results of genetic and immunological tests		X								X						
K30	Communicate about personalized therapies in oncology and actively present the results of patient treatment at international forums , including in the form of oral presentations		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Cell therapies in pediatric oncology**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X													X	
U 7 3	Can define the purpose and subject of scientific research, formulate a research hypothesis, develop research methods, techniques, and tools and apply them creatively, and draw conclusions based on scientific research		X													X	

Education	**Doctoral School**																			
Course name	**Faculty Block C – Translational Hemato-Oncology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W70	Knows and understands the importance of the microbiome in carcinogenesis and new methods of immunotherapy in hemato-oncology.		X						X								
W71	Knows the principles of conducting commercial and non-commercial clinical trials in hemato-oncology		X						X								
U74	Can identify treatment goals and monitor treatment effectiveness.		X														X

Appendix No. 5

TABLE OF LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVEL 8 OF THE POLISH QUALIFICATIONS FRAMEWORK FOR THE 2023-2027 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness of the cognitive perspective and interdependencies	**P8S-WG**	to a degree enabling the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main development trends in scientific or artistic disciplines in which education takes place research methodology principles of disseminating scientific results, including through open access	**W05, W06, W07, W08, W12, W13, W14, W15, W16, W20, W22, W23, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W42, W42, W43, W44, W47, W48, W49, W52, W53, W54, W55, W56, W60, W66, W67, W68, W69**
	P8S-WK	fundamental dilemmas of contemporary civilization economic, legal, ethical, and other important conditions for business activity scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W17, W18, W19, W21, W24, W25, W45, W46, W50, W51, W57, W58, W59, W61, W62, W63, W64, W65, W70, W71**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and tasks completed	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or perform research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activities and other creative work and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U21, U23, U24, U25, U30, U31, U32, U35, U36, U37, U38, U39, U40, U41, U42, U43, U44, U47, U49, U50, U52, U53, U56, U59, U67, U73**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in the international scientific community disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree that enables participation in the international scientific and professional community	**U03, U04, U12, U13, U16, U17, U18, U19, U20, U22, U28, U29, U65, U70, U71**
	P8S-UO	plan and carry out individual and team research projects or creative, also in an international environment	**U01, U06, U33, U34, U45, U46, U57, U58, U62, U64, U68, U72, U74**

	P8S-UU	independently plan and act for their own development and inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U26, U27, U48, U51, U54, U55, U60, U61, U63, U66, U69**

W- use of knowledge, K- communication, O- work organization, U-learning

SOCIAL COMPETENCES Is ready to			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critical assessment of one's own contribution to the development of a given scientific or artistic discipline recognizing the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24, K30**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating actions in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership of scientific results taking into account the principles of intellectual property protection intellectual property	**K01, K03, K13, K18, K20, K22, K25, K26, K27, K28, K29**

W – use of knowledge, C – communication, O – organization of work, L – learning

TABLE OF LEARNING OUTCOMES IN RELATION TO THE FORMS OF IMPLEMENTATION AND VERIFICATION

2024-2028 education cycle

Education	**Doctoral School**																		
Subject name	**Research Design**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W01	Knows and understands the importance of scientific research in the development of civilization and knows the rules for writing research project proposals			X							X								
W02	Knows how to obtain funding for scientific research using scientific communication appropriate for a given scientific discipline.			X							X								
U01	Has the skills necessary to independently design and conduct scientific research			X							X								
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks			X							X								
K01	The doctoral student understands and feels the need to conduct research independently, to respect the principle of public ownership of the results of scientific activity and is able to describe these processes in an application application			X							X								

Education	**Doctoral School**																			
Course name	**ETHICS OF SCIENTIFIC RESEARCH AND INTELLECTUAL PROPERTY LAW**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Project	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W03	Knows the principles of research ethics, legal principles of intellectual property protection intellectual property, bioethics committee approval, and the principles of conducting scientific research in the field of medical sciences and health sciences	X								X							
W04	Knows and understands the legal, ethical, and other relevant conditions of scientific activity and has knowledge of legal regulations regulations concerning the protection of intellectual property in Poland and worldwide	X								X							

Education	**Doctoral School**																		
Course name	**PRESENTATION AND COMMUNICATION SKILLS**																		
Level	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**		
W05	has extensive knowledge in the field of preparing and presenting research results corresponding to the area of scientific and research activities		X								X								
W06	knows basic and advanced techniques for preparing and conducting scientific and educational presentations, as well as current trends in presentation formats, methods and tools for preparing presentations, and ways of conducting them		X	X							X								
U03	is able to prepare presentations, present and argue their own position, and evaluate the positions of other participants			X							X								
U04	demonstrates the ability to compile and present research results at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals scientific			X							X								
K02	is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline			X							X								

Education	**Doctoral School**																		
Course name	**Scientific information**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W07	Knows and understands: - the principles of disseminating scientific results, including through open access - legal, ethical, and other relevant conditions for scientific activity							X	X								
U05	Able to develop research methods, techniques, and tools and apply them creatively							X			X						
K03	Is prepared to respect the principle of public ownership of scientific results, taking into account the principles of intellectual property protection intellectual property							X					X				

Education	**Doctoral School**																			
Course name	**Research Methodology**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W08	Knows the legal and ethical issues related to in vivo research and research techniques, and knows how to organize the cooperation of teams using different techniques	X							X								
W09	Knows the principles of research planning based on a research database and economic framework and knows the principles of writing and reviewing scientific papers	X							X								
U06	Can define a research problem and verify whether it is current (by reviewing literature and patent databases) and can assess the correctness of statistical methods		X	X							X						
U07	is able to compile a scientific dissertation in accordance with the requirements concerning substantive structure, methodology, linguistic correctness and research ethics		X	X							X						

Education	**Doctoral School**																	
Course name	**Principles of financing and managing research grants**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery*							Methods of assessment*									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (specify)**	Test	Oral exam	Assignment	Standardized OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (specify)**
W10	knows the main sources of research funding in the context of development trends for the discipline and priority research areas defined by Polish and external funding institutions	X									X						
W11	Knows the possibilities and rules for applying for grants leading to the transfer of knowledge to the economic sphere and the commercialization of research results and know-how		X								X						
U08	Is able to define the purpose and subject of scientific research in the context of competition documentation. Is able to use the acquired knowledge corresponding to the area of scientific research in scientific and research activities.			X							X						
U09	Is able to position sources of funding for their research in close connection with the research hypothesis, the effects they want to achieve in their research in terms of the maturity of the research conducted and the possibilities for its commercialization.			X							X						
K01	Understands and feels the need to conduct research independently, respecting the principle of public ownership of scientific activity results and is able to describe these processes in the application form.			X							X						

K04	Understands the need for social responsibility in conducting research by designing it in the context of solutions scientific research on the most pressing issues facing society.			X								X								

Education	**Doctoral School**																			
Course name	**Teaching in higher education**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (specify)**
W12	has knowledge of teaching techniques and knows the principles of selecting teaching methods used in academic education , as well as methods of assessing learning outcomes			X					X								
Ul0	is able to conduct classes using modern teaching techniques			X							X						
U11	is able to assess learning outcomes			X							X						
K05	critically assesses their own teaching activities, is aware of their social and professional role, has the right attitude towards colleagues and students			X											X		

Education	**Doctoral School**																			
Course name	**Doctoral Seminar**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (portfolio)**
W13	has extensive knowledge of research projects, research task descriptions, preparing a schedule for work on a doctoral dissertation, and the expected results and methods of dissemination		X														X
U12	demonstrates the ability to present the assumptions of the doctoral dissertation, initiating debate, participating in scientific discourse in the field of conducted scientific research		X														X
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X														X
U14	critically interprets research results and scientific texts, asks questions, formulates their own position, and is able to justify it in the context of the development of a given discipline		X														X

Education	**Doctoral School**																			
Name of the subject	**Doctoral Symposium**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^{o} assessment	Pass	Other (.....
U04	demonstrates the ability to compile and present research findings at conferences and symposia, including those abroad, as well as to publish them in peer-reviewed scientific journals .		X								X						
U13	is able to prepare a multimedia presentation and use it to clearly and precisely present their views and knowledge		X								X						
U15	presents specialist issues to a degree that enables active participation in the scientific community and is able to use the knowledge acquired in the field of scientific research in discussion		X								X						

Education	**Doctoral School**
Course name	**Specialized English**
Level of education	8
Education profile	general academic

		Forms of course delivery*							Methods of verifying learning outcomes*								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment			X							X						
U17	Can use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U18	Can participate in scientific discourse and initiate debate, including at the international level			X							X						
U19	Can use a foreign language at level B2 of the Common European Framework of Reference for Languages to an extent that enables participate in an international scientific and professional environment professional			X							X						

Education	**Doctoral School**																			
Subject name	**Polish language for foreigners**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery*							Methods of assessment*										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (e-learning)**	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)**
U20	Able to plan and implement individual creative projects, including in an international environment			X							X						
U21	can communicate in typical everyday situations, can formulate simple questions about topics they are most familiar with or the most necessary matters, and respond to such questions. questions			X							X						
U22	Can produce clear, detailed, and coherent written and oral statements on complex issues, skillfully applying the principles of text organization			X							X						
K06	Understands the need for cooperation in a culturally diverse group, the need for independent work and learning for further development, and recognizes the importance of intercultural knowledge.			X													X

Education	**Doctoral School**																	
Course name	**Active participation in a domestic or international conference**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (presentation/abstract)	Test	Oral exam	Assignment	Standardized OSCE	Reflective essay	Written exam	360^0 assessment	Pass	Other (abstract)
U23	Able to critically evaluate achievements within a given scientific discipline, critically evaluate their own contribution to the development of a given scientific discipline, and recognize the importance of knowledge in solving cognitive and practical problems							X									X
U24	Is able to present the results of their own scientific research in the form of an abstract or multimedia presentation, initiate debate, and participate in scientific discourse							X									X
U25	Can present specialist issues to a degree that enables active participation in the international scientific community and the dissemination of research results							X									X
U26	Is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate activities aimed at implementing such transfer.							X									X

Education	**Doctoral School**																		
Course name	**Participation in specialized lectures**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (certificate)		
W14	Has up-to-date specialist knowledge in the field of medical sciences and health sciences in a given discipline	X															X		
W15	is able to use knowledge from various fields of science to identify, formulate, and innovatively solve complex problems and perform interdisciplinary research tasks	X															X		
U27	Is able to use knowledge from various fields of science to innovative solutions to complex problems or perform research tasks, and in particular develop methods, techniques, and research tools and apply them creatively	X															X		

Education	**Doctoral School**																		
Course name	**Professional Internships - Participation in classes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (report)
W16	Knows and understands the conditions for modifying the basics of medical teaching in practice				X												X
U28	Able to critically observe and analyze the teaching process implemented by the mentor using various methods and prepare a report on participation in classes				X												X
K07	Is ready to fulfill the social and ethical obligations of researchers in the field of staff training and dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X

Education	**Doctoral School**																			
Course name	**Professional Internships – Teaching**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)			
W17	Understands the principles of selecting teaching methods for presenting knowledge and assessing it				X												X			
W18	Knows modern methods and techniques for disseminating knowledge and shaping professional skills in medical sciences, pharmaceutical sciences, and health sciences				X												X			
U29	Able to select and apply modern teaching methods and tools for knowledge transfer, including in simulated conditions and in distance learning				X												X			
U30	Is able to develop and apply methods for assessing student learning outcomes in the teaching process.				X												X			
K07	He is ready to fulfill the social and ethical obligations of researchers in the field of staff training and the dissemination of knowledge in an attractive cognitive form, leading to the development of a knowledge-based society knowledge				X												X			

Education	**Doctoral School**																		
Subject name	**Specialized English - Elective BLOCK A**																		
Level	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U31	Able to prepare for participation in conferences in a foreign language, publish research results in a foreign language, communicate with members of the scientific community in other countries, and work with students and in their own research groups			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline in accordance with the requirements specified for the European System for the Description of Language Education			X							X						
U33	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																		
Course name	**Polish language - Elective BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U17	Able to use appropriate vocabulary and terminology in practical activities in the field of medical sciences and health sciences, also in a foreign language			X							X						
U32	has language skills also in the fields of science relevant to a given scientific discipline, in accordance with the requirements specified for the Common European Framework of Reference for Languages			X							X						
U33	is able to search for, process, and compare information from various sources and use it in their own oral and written statements in a foreign language			X							X						

Education	**Doctoral School**																		
Course name	**Modern education in higher education - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
In 19	knows modern techniques in the field of teaching at a higher education institution			X					X								
U10	is able to conduct classes using modern teaching techniques			X							X						
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills scientific, teaching, and professional skills			X											X		

Education	**Doctoral School**																		
Course name	**Advanced Statistical Methods - Elective BLOCK A**																		
Level of education	8																		
Education profile	General academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W20	knows the principles of selecting and using advanced statistical methods in compiling research results and the principles of statistical inference			X					X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																			
Course name	**Preclinical Research - Faculty BLOCK A**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W21	Knows the drug research process from concept through preclinical research phases and the possibilities of obtaining an experimental drug	X	X						X								
W22	Knows the tests used to verify the eligibility of a new experimental drug for further testing and the basic screening methods used in in vitro and in vivo studies. vivo studies.	X	X						X								
W23	knows the basic procedures for searching for mechanisms of pharmacological/cytotoxic effects pharmacological/cytotoxic effect	X	X						X								
U34	Able to select and apply appropriate statistical methods for interpreting and compiling research results, compile and prepare research results for scientific publication, and draft a doctoral dissertation			X							X						

Education	**Doctoral School**																		
Course name	**Clinical Research - Faculty BLOCK A**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam [illegible]	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W24	Knows and understands the ethical, legal, and economic conditions of designing and conducting clinical trials			X							X						
W25	has knowledge of current trends in clinical trial methodology and the principles of clinical trial monitoring			X							X						
U35	is able to maintain clinical trial documentation (documentation created before, during, and after the clinical trial)			X							X						
U36	Can plan and perform simple scientific studies, interpret their results, and draw conclusions			X							X						

Education	**Doctoral School**																	
Course name	**Participation in summer/winter school - Elective BLOCK B**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course implementation							Methods of verifying learning outcomes									
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (summer/winter	Test	Oral exam	Assignment	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (debate)
U16	Able to communicate on specialized topics to a degree that allows active participation in an international scientific environment							X									X
U18	Can participate in scientific discourse and initiate debate, including at the international level.							X									X

Education	**Doctoral School**																		
Course name	**Trip to a foreign center - Elective BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X

Education	**Doctoral School**																		
Course name	**Trip to a center in the country - Faculty BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (report)		
U37	Able to plan and carry out individual and team research or creative projects, including in an international environment							X									X		

Education	**Doctoral School**																		
Course name	**Submitting a grant application - Elective BLOCK B**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (completion of assigned task)	Test	Oral exam	Completion of assigned	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (submission
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks							X									X
U26	is able to analyze the possibilities of transferring research results to the economic and social spheres and initiate actions aimed at implementing such a transfer							X									X

Education	**Doctoral School**																			
Course name	**Faculty Block C -** **Advances in medical sciences: clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, prevention in dentistry**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Symbol of the learning effect effect	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)			
W26	knows the global achievements, including theoretical foundations, general issues, and selected specific issues, relevant to clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and prevention in dentistry		X						X											
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of medical sciences and health sciences, taking into account the given discipline		X						X											
U38	Is able to analyze and evaluate scientific achievements in the field of contemporary clinical dietetics, microbiology in dentistry, laboratory diagnostics in dentistry, and dental prophylaxis		X														X			

K09	He is ready to critically evaluate the achievements of the scientific discipline he represents and recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems. practical		X																		X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Modern immunological methods used in diagnostics, molecular biology, modern methods of diagnostic imaging imaging**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (
W28	is familiar with contemporary immunological methods, molecular biology, and imaging techniques ; knows the types and characteristics of biological material and its preparation for immunological and molecular biology research, knows the techniques phenotyping techniques, knows tests used for qualitative and quantitative determination of antigens, antibodies and immunological complexes		X						X								
W29	has advanced, detailed knowledge of the selection of modern immunological techniques, molecular biology, and diagnostic imaging, corresponding to the area of scientific research conducted, covering the latest scientific achievements		X						X								

Education	**Doctoral School**																		
Subject name	**Faculty Block C - Advances in Medical Sciences: developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillary orthopedics, dental prosthetics**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol become	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W30	knows the global achievements covering theoretical foundations, general issues and selected specific issues relevant to developmental dentistry, periodontology, dental surgery , maxillofacial surgery, orthodontics orthopedics, and dental prosthetics		X						X								
U39	Able to analyze and evaluate scientific achievements in the field of contemporary developmental dentistry, periodontology, dental surgery, maxillofacial surgery, maxillofacial orthopedics, and dental prosthetics		X														X
K09	Is ready to critically evaluate the achievements of the represented and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in medical sciences: genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (activity)
W27	knows the main development trends and research methodology of scientific disciplines relevant to education in the field of the field of medical sciences and health sciences, taking into account the given discipline		X						X								
W31	Has knowledge of global achievements, including theoretical foundations, general issues, and selected specific issues relevant to genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X						X								
U40	Has the ability to analyze and evaluate scientific achievements in the field of contemporary genetics, microbiology, prevention of lifestyle diseases, laboratory medicine, clinical psychology		X														X
K09	He is ready to critically evaluate the achievements of the scientific discipline he represents and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems practical		X														X

Education	**Doctoral School**
Subject name	**Faculty Block C - Faculty Block C - Advances in medical sciences: surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, clinical dietetics**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W32	knows current Polish and global achievements, which include theoretical and general foundations, as well as selected specific issues characteristic of surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X						X								
W33	understands advances in prevention, diagnosis, and treatment in the above-mentioned fields of medical science and is familiar with the methodology of scientific research in these fields		X						X								
U41	Has the ability to analyze and evaluate scientific achievements in the field of modern surgery, internal medicine, gynecology and obstetrics, pediatrics, oncology, and clinical dietetics		X														X
K10	Is ready to discuss and evaluate the achievements of the represented scientific discipline, recognizing the importance of knowledge from various fields (other than the one in which the doctoral project is carried out) in solving cognitive and practical problems		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - INNOVATION IN NURSING RESEARCH**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W34	Knows and understands global trends in nursing research and their implications for nursing education and practice		X														
U42	Is able to analyze and creatively synthesize the scientific achievements of global nursing as a basis for planning innovative scientific research in nursing, including international cooperation.		X														
K11	Is ready to independently undertake innovative scientific research in the field of nursing, while observing ethical principles and taking into account responsibility for its consequences.		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C – Innovation in Obstetrics Research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W35	Knows the scope and types of modern scientific research in obstetrics		X						X								
U4 3	Is able to indicate directions for innovative research in obstetrics		X						X								
K1 2	Is ready to formulate opinions on seeking expert advice in case of difficulties in solving problems independently		X														X

Education	**Doctoral School**																
Course name	**Faculty Block C - Innovation in medical physiotherapy research**																
Level of education	8																
Education profile	general academic																
		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W36	Characterizes the research methodology taking into account current, innovative research methods used in scientific research in the field of physiotherapy		X													X	

Education	**Doctoral School**																				
Course name	**Faculty Block C - Innovation in medical rescue research**																				
Level of education	8																				
Educational profile	general academic																				
		Forms of course delivery							Methods of verifying learning outcomes												
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W37	Knows research processes in medical sciences, sources of knowledge and ways of using them in scientific research, as well as ways of searching for scientific information in the field of emergency medical services		X						X								
U44	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex research problems in emergency medical services		X								X						
K09	Is ready to critically evaluate the achievements of the represented discipline and to recognize the importance of interdisciplinary knowledge in solving cognitive and practical problems		X								X						

Education	**Doctoral School**																	
Course name	**Faculty Block C - INNOVATION IN DIETETICS RESEARCH**																	
Level	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....)
W38	has in-depth and systematic knowledge of the scientific identity of dietetics, including the basics methodology of nutritional research, are familiar with the leading research trends in this area, as well as the possibilities of selected clinical applications		X						X								

Education	**Doctoral School**
Course name	**Faculty Block C - IDENTIFICATION OF THE STRUCTURE OF ORGANIC COMPOUNDS AND NATURAL ORIGIN**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W39	has advanced substantive knowledge covering global scientific achievements in the field of identification organic compounds using spectroscopic methods, as well as selected analytical methods and techniques for assessing the identity and quality of substances, including plant substances		X													X	
U45	is able to apply the acquired knowledge in practice to independently identify isolated natural compounds as part of research tasks in various fields of science: pharmacy, chemistry, biochemistry, molecular biology		X								X						
U46	identifies the structure of relatively simple natural compounds from the following groups: coumarins, flavonoids, phenolic acids, terpenoids, alkaloids, using various spectroscopic techniques spectroscopic		X								X						

K13	has the competence to conduct interdisciplinary scientific cooperation and the ability to work in a team, cooperates in a group and actively participates in the performance of spectroscopic spectra of natural compounds		X																X
K14	creates attitudes that encourage the expansion of knowledge and willingly participates in discussions, initiates debates, disseminates the results scientific activity		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Chromatographic separation techniques – application in pharmacy and medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W40	Knows and understands to a degree sufficient to revise existing paradigms – global achievements covering theoretical foundations and general issues, as well as selected specific issues related to analytical methods, in particular chromatographic techniques		X														X
W41	Knows and understands the main trends in the development of analytical chemistry, particular chromatographic methods and techniques, and the methodology of scientific research used in pharmaceutical and medical sciences.		X														X
U47	Is able to use knowledge from various fields of science, in particular in the field of applied chromatographic techniques, and participate in scientific discourse		X														X
K15	Is ready to recognize the importance of knowledge in solving cognitive and practical problems and critically evaluating achievements scientific research in the field of separation techniques		X														X

Education	**Doctoral School**																		
Subject name	**Faculty block C - Modern techniques in laboratory medicine**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W42	Knows the main development trends in scientific or artistic disciplines artistic disciplines in which education takes place and the methodology of scientific research		X														X
U16	Can communicate on specialized topics to a degree that enables active participation in an international scientific environment		X														X
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems		X														X

Education	**Doctoral School**																			
Course name	**FACULTY BLOCK C - ADVANCES IN THE ANALYSIS AND QUALITY ASSESSMENT OF PLANT SUBSTANCES**																			
Level	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	OSCE exam	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W43	knows and understands the scope of application of selected modern analytical methods and techniques in assessing the identity and quality of plant substances		X													X	
W44	is familiar with issues related to the study of the biological activity of plant substances in vitro and knows and understands the impact of various factors on the chemical variability and biological activity of plant substances in the context of assessing their quality		X													X	
U48	is able to plan the stages of plant substance identity analysis using Fingerprint methods and selected analytical techniques (TLC, HPLC, LC MS/MS) and correctly interpret the results		X								X						
U49	plan the analysis of the chemical composition of plant substances in the context of assessing their antioxidant activity using selected methods and be able to interpret them interpret		X								X						
K16	Is ready to recognize the importance of knowledge in solving cognitive and practical problems cognitive and practical		X								X						

Education	**Doctoral School**
Course name	**Faculty Block C - Advanced methods of drug design and synthesis**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W45	at an advanced level – selected facts, objects, and phenomena, as well as methods and theories explaining the complex relationships between them, constituting basic general knowledge in the scientific or artistic disciplines forming the theoretical basis, and selected issues in the field of specific knowledge - relevant to the study program, and in the case of practical studies - also the practical application of this knowledge in professional activity related to their field of study		X													X	
U50	use their knowledge, formulate and solve complex and unusual problems, and perform tasks in conditions that are not fully predictable by: appropriately selecting sources and information from them , evaluating, critically analyzing, and synthesizing this information, and selecting and applying appropriate methods and tools		X													X	
U51	formulate and solve problems and perform tasks typical for professional activities related to the field of study - in in the case of practical studies		X													X	

K17	critical assessment of existing knowledge and perceived content recognition of the importance of knowledge in solving cognitive and practical problems practical problems, and seeking expert advice in case of difficulties with solving a problem independently		X															X		

Education	**Doctoral School**																			
Course name	**Faculty Block C - Chemometric analysis of experimental data**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W46	knows the theoretical foundations and understands the need to use experimental design techniques in order to obtain the correct results		X						X											
U52	knows how to obtain the theoretical spectrum of a compound using computational methods with using appropriate software, as well as interpret the experimental spectrum based on the results of such calculations		X														X			
U53	is able to perform quantitative calibration on a set of spectra using appropriate software		X														X			

Education	**Doctoral School**																		
Course name	**Molecular mechanisms of selected life processes**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W47	Knows and understands global scientific achievements – including selected specific issues – relevant to the disciplines of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X						
K02	Is ready to critically evaluate their own contribution to the development of a given scientific or artistic discipline		X								X						

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Validation of analytical methods**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)		
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X								X								
U54	is able to define the purpose and subject of scientific research, formulate research hypotheses, develop research methods, techniques, and tools, apply them creatively, and draw conclusions based on the results of scientific research		X								X								

Education	**Doctoral School**
Course name	**Faculty Block C - Advances in Regenerative Medicine**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying learning outcomes								
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (...	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X													X	
W49	knows the latest achievements in the field of tissue engineering and biomedical engineering in the context of their application in regenerative medicine regenerative medicine		X								X						
W50	knows and understands the legal and ethical conditions of scientific activity and the principles of commercialization of scientific activity results		X								X						
U02	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or performing research tasks		X								X						
U55	is able to apply specialized knowledge on scientific research methods covering the latest achievements in the field of regenerative medicine, participate in scientific discourse, and initiate debate		X								X						
K18	is ready to critically evaluate the achievements of the discipline , critically evaluate their own contribution to the development of this discipline		X														X

K19	is ready to conduct scientific activity independently and take on new challenges		X																	X

Education	**Doctoral School**																			
Course name	**Faculty Block C - Contemporary Issues in Infectious Diseases**																			
Level of education	8																			
Education profile	general academic																			
		Forms of implementation of the subject							Methods of verifying the effect										
Symbol of learning outcomes se	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W51	knows and understands current issues and global scientific achievements in the field of infectious diseases and the resulting implications for practice		X						X								
W52	knows and understands the knowledge and latest achievements in the field of infectious diseases and the sciences that form the theoretical basis for the prevention, treatment, and diagnosis of these diseases to a degree that allows for independently plan solutions to research problems		X						X								
W53	knows and understands current knowledge and the latest achievements in the theoretical and practical foundations and significance of drug resistance of infectious disease etiological factors to a degree that allows for independent planning of solutions research problems		X						X								
U56	Use the latest knowledge in the field of infectious diseases to analyze the problem and formulate statements to a degree that enables active participation in scientific discussion		X						X								

U57	Independently search for necessary information on current issues in infectious diseases and expand one's own competence and take actions aimed at your own scientific development		X						X										
K08	understands and feels the need to continuously improve their scientific, teaching, and professional skills		X						X										
K20	critical assessment and recognition of the importance of knowledge in solving cognitive and practical problems in the field of infectious diseases infectious diseases		X						X										

Education	**Doctoral School**																	
Course name	**Faculty Block C - News in pharmaceutical sciences - new directions in pharmacology research**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)
W54	to an extent that allows for the revision of existing paradigms – global achievements, including theoretical foundations, general issues, and selected specific issues relevant to a given scientific or artistic discipline the main development trends in scientific or artistic disciplines in which education takes place		X													X	

Education	**Doctoral School**																			
Subject name	**Faculty Block C - Modern methods of molecular biology and their application in medicine and pharmacy**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (attendance)			
W55	To a degree enabling the revision of existing paradigms, knows and understands global achievements, including theoretical foundations and general issues and selected specific issues, as well as development trends in a given scientific or artistic discipline		X						X											
W56	Knows the appropriate methodology of scientific research and the principles of disseminating the results of scientific activity, including through open access.		X						X											

Education	**Doctoral School**																		
Course name	**Faculty Block C – Modern education in higher education/Methodology in higher education**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course implementation							Methods of verifying the effect										
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)		
W57	Knows modern technologies used in academic education, knows the concept of medical simulation and the essence of the use of e-learning in academic education		X						X										
W58	Understands and knows the principles of selecting teaching methods used in medical education, the importance of choosing the appropriate form of assessment depending on the type of classes conducted, and knows the principles of teacher preparation for classes		X						X										
W59	Knows methods of classifying educational objectives based on Bloom's taxonomy , methods of verifying them, and knows the rules for preparing and conducting classroom observations		X								X								
U58	U59 e-learning										X								
U59	Is able to apply the basic principles of teaching and learning in practice, prepare a lesson plan and classify educational objectives based on Bloom's taxonomy		X								X								

U60	Has the ability to plan and organize the teaching process using modern technologies applied in higher education, including the ability to motivate students and select teaching methods and resources education depending on the type of classes conducted		X								X								
U61	Can independently prepare a selected form of assessment depending on the type of classes conducted and construct a lesson observation protocol that takes into account the characteristic elements of the medical education process .		X								X								
K21	Is motivated to continuously acquire new skills and convinced of the benefits of using modern technologies in teaching		X														X		
K22	To an advanced degree, he recognizes his own limitations, self-assesses his educational deficits and needs, and plans his own educational activities		X																X

Education	**Doctoral School**
Course name	**Faculty Block C - Principles of cultural adaptation and psychometric validation of research tools (psychometrics, sociometrics, clinimetrics)**
Level of education	8
Education profile	general academic

		Forms of course delivery							Methods of verifying the effect								
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W60	Knows and understands scientific research methodology		X						X								
U62	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: develop research methods, techniques, and tools and apply them creatively		X								X						
K23	He is ready to maintain and develop the ethos of research and creative environments.		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Creativity in problem solving**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam	Reflective essay	Written exam	360° assessment	Pass	Other (observation)		
W61	Understands human functioning in psychological terms and social, knows and understands theories of thinking, including creative thinking, knows and understands the process of creative problem solving		X														X		
W62	Understands the main theories of creative thinking, the essence of creativity, definitions of creativity, deductive thinking		X														X		
W63	Knows methods and strategies of creative thinking, interpersonal skills interpersonal skills: abilities, motivations, overcoming difficulties necessary in the process of creative task and problem solving, and the functions of creative thinking in problem solving, practical application of the creative problem-solving process		X														X		
U63	Able to analyze the problem-solving process in professional situations and assess their resources in terms of creative thinking and creative problem-solving in professional situations		X														X		

U64	Can solve problems creatively by applying strategies and principles of creative thinking, apply strategies and principles of creative thinking in problem situations when working with patients, and discuss the basic effects of the creative problem solving		X																X
U65	Able to lead the process of creative problem solving in the workplace, participate in simulated situations during the seminar		X																X
K24	Is ready to critically evaluate their own actions and those of their colleagues while respecting differences in worldviews and cultures, and to formulate opinions on aspects of professional activity that involve problem solving and seeking expert advice when unable to solve a problem independently.		X																X
K25	Solving complex ethical problems related to the profession and identifying priorities in the performance of professional activities, taking responsibility for the provision of health services and showing concern for one's own safety, that of the environment and colleagues		X																X

Education	**Doctoral School**																		
Name of subject	**Faculty Block C - Fundamentals of Coaching**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (self-assessment)		
W64	Knows and understands basic coaching terminology and principles		X						X										
U66	Can use knowledge of coaching to plan and act for their own development and the development of others.		X								X								
K26	Is ready to initiate activities for their own development and that of others		X														X		

Education	**Doctoral School**																		
Course name	**Faculty Block C – Stress and Coping**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Assignment	Quiz	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W65	Knows and understands the concept of stress, coping with stress in situations health and illness		X									X					
U67	Is able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve complex problems or perform research tasks research tasks, and in particular: recognize the complexity of the phenomenon of stress and the possibilities of coping with		X								X						
K2 3	Is ready to maintain and develop the ethos of research and creative environments		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C - Communication Skills and Self-Presentation**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying the effect									
Symbol of the learning effect itself	Description of the learning effect	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W66	Knows the conceptual apparatus in the field of interpersonal communication and self-presentation and basic methods and concepts related to tactics and techniques self-presentation		X						X								
U68	Able to plan and conduct an effective self-presentation and prepare application documents: CV, cover letter		X								X						
K27	Can communicate effectively in various social and professional contexts professional		X														X

Education	**Doctoral School**																			
Course name	**Faculty Block C - EVIDENCE-BASED PRACTICE (Evidence-Based Medicine, Evidence-Based Pharmacy, Evidence-Based Nursing)**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W67	Understands the principles of evidence-based practice		X						X								
U69	Can use critical thinking to verify evidence-based healthcare practice healthcare based on scientific evidence		X								X						
K28	Is prepared to evaluate the healthcare process in accordance with empirical and ethical premises, the opinion of the care provider, and professional experience		X								X						

Education	**Doctoral School**																			
Course name	**Faculty Block C - Cosmeceuticals - from composition to application**																			
Level of education	8																			
Education profile	general academic																			
		Forms of course delivery							Methods of verifying learning outcomes											
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W48	knows and understands the global achievements, including theoretical foundations, general issues, and selected specific issues relevant to the presented scientific discipline and other disciplines relevant for the possibility of conducting research and using its results in an interdisciplinary context		X								X						
W68	knows the definition of cosmeceuticals, is able to characterize their composition and action, and perform selected treatments taking into account the use of cosmeceuticals		X								X						
U70	is able to participate in scientific discourse, disseminate the results of scientific activity, including in popular forms, and use a foreign language		X								X						X
U71	has the ability to communicate with others using specialized terminology		X														X
K29	applies the principles of professional ethics		X														X

Education	**Doctoral School**																		
Course name	**Faculty Block C – Precision Oncology**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (observation)
W69	Knows and understands the mechanism of action of targeted therapies molecular and immunotherapy used in the treatment of cancer cancer		X						X								
U72	Able to qualify patients for personalized treatment based on the results of genetic and immunological tests		X								X						
K30	Communicate about personalized therapies in oncology and actively present the results of patient treatment at international forums , including in the form of oral presentations		X														X

Education	**Doctoral School**																	
Course name	**Faculty Block C - Cell therapies in pediatric oncology**																	
Level of education	8																	
Education profile	general academic																	
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
U02	Able to use knowledge from various fields of science to creatively identify, formulate, and innovatively solve problems or perform research tasks		X													X	
U 7 3	Can define the purpose and subject of scientific research, formulate a research hypothesis, develop research methods, techniques, and tools and apply them creatively, and draw conclusions based on scientific research		X													X	

Education	**Doctoral School**																		
Name of the subject	**Medical law and legal conditions for scientific activity**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes										
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Practical classes	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (.....
W47	Knows and understands global scientific achievements - including selected specific issues - relevant to the field of medical sciences and health sciences to a degree that allows for the revision of existing paradigms		X										X				
W70	knows and understands the economic, legal, ethical, and other conditions of scientific activity		X										X				

Education	**Doctoral School**																		
Course name	**Faculty Block C – Translational Hemato-Oncology**																		
Level of education	8																		
Education profile	general academic																		
		Forms of course delivery							Methods of verifying learning outcomes									
Learning outcome symbol Description of learning outcomes	Description of learning outcomes	Lecture	Seminar	Exercises	Clinical exercises/laboratory exercises	E-lecture	Practical classes	Other (.....	Test	Oral exam	Task completion	Standardized exam OSCE	Reflective essay	Written exam	360° assessment	Pass	Other (project)
W70	Knows and understands the importance of the microbiome in carcinogenesis and new methods of immunotherapy in hemato-oncology.		X						X								
W71	Knows the principles of conducting commercial and non-commercial clinical trials in hemato-oncology		X						X								
U74	Can identify treatment goals and monitor treatment effectiveness.		X														X

TABLE OF LEARNING OUTCOMES FOR LEVEL 8 PRK QUALIFICATIONS

FOR THE 2024-2028 EDUCATION PROGRAM

KNOWLEDGE **Knows and understands**			
Scope and depth – completeness of the cognitive perspective and interdependencies	**P8S-WG**	to a degree enabling the revision of existing paradigms – global achievements including: theoretical foundations, general issues, and selected issues specific to the scientific or artistic discipline main trends in the development of scientific or artistic disciplines in which education takes place research methodology rules for disseminating the results of scientific activity, including through open access	**W05, W06, W07, W08, W12, W13, W14, W15, W18, W20, W25, W26, W27, W28, W29, W30, W31, W32, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W51, W52, W53, W54, W55, W56, W60, W68, W69, W71**
	P8S-WK	fundamental dilemmas of contemporary civilization economic, legal, ethical, and other relevant conditions of business scientific basic principles of knowledge transfer to the economic and social spheres, and commercialization of scientific results and related know-how results	**W01, W02, W03, W04, W09, W10, W11, W16, W17, W19, W21, W22, W23, W24, W33, W50, W57, W58, W59, W61, W62, W63, W64, W65, W66, W67, W70, W72**

G- depth and scope, K- context

SKILLS Able to			
Application of knowledge – problems solved and tasks performed	**P8S-UW**	use knowledge from various fields of science or art to creatively identify, formulate, and innovatively solve complex problems or performing research tasks, in particular: • define the purpose and subject of scientific research, formulate a research hypothesis • develop research methods, techniques, and tools and apply them creatively • draw conclusions based on research results critically analyze and evaluate the results of scientific research, expert activity and other creative work and their contribution to the development of knowledge; transfer the results of scientific activity to the economic and social spheres	**U02, U05, U07, U08, U09, U14, U15, U23, U26, U27, U34, U36, U38, U39, U40, U41, U42, U43, U44, U45, U46, U47, U48, U49, U50, U52, U53, U54, U55, U56, U58, U59, U62, U67, U73, U74**
	P8S-UK	communicate on specialized topics to a degree that enables active participate in the international scientific community disseminate the results of scientific activity, including in popular forms initiate debate participate in scientific discourse use a foreign language at level B2 of the Common European Framework of Reference for Languages to a degree that enables participation in an international scientific and professional environment	**U03, U04, U12, U13, U16, U17, U18, U19, U20, U21, U22, U24, U25, U31, U32, U33, U68, U70, U71**
	P8S-UO	plan and carry out individual and team research projects or creative, also in an international environment	**U01, U06, U28, U51, U60, U61, U72**

	P8S-UU	independently plan and act for their own development and inspire and organize the development of others; plan classes or groups of classes and implement them using modern methods and tools	**U10, U11, U29, U30, U35, U37, U57, U63, U64, U65, U66, U69**

W – use of knowledge, C – communication, O – organization of work, L – learning

SOCIAL COMPETENCES Is ready to			
Assessment – critical approach	**P8S-KK**	critically evaluate achievements within a given scientific or artistic discipline critically evaluate their own contribution to the development of a given scientific or artistic discipline recognition of the importance of knowledge in solving cognitive and practical problems	**K02, K07, K08, K09, K11, K12, K14, K15, K16, K17, K19, K23, K24, K30**
Responsibility – fulfilling social obligations and acting in the public interest	**P8S-KO**	fulfilling the social obligations of researchers and creators; initiating actions in the public interest; thinking and acting in an entrepreneurial manner	**K04, K05, K06, K10, K21, K29**
Professional role – independence and development ethos	**P8S-KR**	maintaining and developing the ethos of research and creative environments, including: • conducting research independently • respecting the principle of public ownership of scientific results taking into account the principles of intellectual property protection intellectual property	**K01, K03, K13, K18, K20, K22, K25, K26, K27, K28**

W - use of knowledge, K - communication, O - work organization, U - learning

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Agnieszka Kaczor
Academic degree/title	Dr hab., prof UM
Affiliation	Department of Synthesis and Chemical Technology of Pharmaceutical Substances with Computer Modeling Laboratory
Scientific discipline	Pharmacy, Medicinal chemistry
The course (conducted at the Doctoral School)	Advanced methods of design and synthesis of drugs
Qualifications and competencies for training in the subject of education	1. PhD in pharmacy (with honors) at the Medical University of Lublin, Poland. PhD thesis entitled: Synthesis and study on novel non-competitive antagonists of GluR5/6 receptors with expected neuroprotective and antiseizure activity. Discipline: medicinal chemistry, computer-aided drug design, molecular modelling. 2. 18 months postdoctoral stay at Pompeu Fabra University, GRIB/PRBB, Barcelona, Spain, funded by the Foundation for Polish Science and La Marató de TV3 Foundation. Project entitled: Identification of novel molecular targets for the treatment of schizophrenia and the design of potent antipsychotics; supervisor: prof. Manuel Pastor. Discipline: computer-aided drug design, molecular modelling, computational chemistry, bioinformatics. 3. 6 months postdoctoral stay at University of Regensburg, Germany, funded by DAAD. Project entitled: Molecular modelling of D2R-mGluR5 heterodimer as a drug target in schizophrenia; supervisor: prof. Stefan Dove. Discipline: computer-aided drug design, molecular modelling, computational chemistry, bioinformatics. 4. 2 years postdoctoral stay at University of Eastern Finland, Kuopio, Finland under Marie Curie-Skłodowska fellowship. Project entitled: Molecular modelling of cannabinoid CB1 receptor homodimer and its interaction with ligands: the role of CRIP1a protein; supervisor: prof. Antti Poso. Discipline: computer-aided drug design, molecular modelling, computational chemistry, bioinformatics. 5. Habilitation in medicinal chemistry: Application of computational methods to structure and function of G protein-coupled receptors and

	their dimers: the case of dopamine D2 receptor. Discipline: computer-aided drug design, molecular modelling, computational chemistry.
Publications thematically related to the subject of the course	1. Patel, J.Z.; Parkkari, T.; Laitinen, T.; **Kaczor, A.A.**; Saario, S.M.; Savinainen, J.R.; Navia-Paldanius, D.; Cipriano, M.; Leppänen, J.; Koshevoy, I.O.; Poso, A.; Fowler, C.J.; Laitinen, J.T.; Nevalainen, T.: Chiral 1,3,4-oxadiazol-2-ones as highly selective FAAH inhibitors; *J. Med. Chem.* **2013**, *56*, 8484-8496, IF=5,480. 2. **Kaczor, A.A.**; Kijkowska-Murak, U.A.; Matosiuk, D.: Theoretical studies on the structure and symmetry of the transmembrane region of glutamatergic GluR5 receptor; *J. Med. Chem.* **2008**, *51*, 3765-3776, IF=4,898. 3. Kondej, M.; Wróbel, T.M.; Silva, A.G.; Stępnicki, P.; Koszła, O.; Kędzierska, E.; Bartyzel, A.; Biała, G.; Matosiuk, D.; Loza, M.I.; Castro, M.; **Kaczor, A.A.**: Synthesis, pharmacological and structural studies of 5-substituted-3-(1-arylmethyl-1,2,3,6-tetrahydropyridin-4-yl)-1H-indoles as multi-target ligands of aminergic GPCRs; *Eur. J. Med. Chem.* **2019**, *180*, 673-689, IF=5,572. 4. Yrjölä, S.; Parkkari, T.; Navia-Paldanius, D.; Laitinen, T.; **Kaczor, A.A.**; Kokkola, T.; Adusei-Mensah, F.; Savinainen, J.R.; Laitinen, J.T.; Poso, A.; Alexander, A.; Penman, J.; Stott, L.; Anskat, M.; Irving, A.J.; Nevalainen, T.J.: Potent and selective N-(4-sulfamoylphenyl)thiourea-based GPR55 agonists; *Eur. J. Med. Chem.* **2016**, *107*, 119-132, IF=4,519. 5. Koszła, O.; Sołek, P.; Woźniak, S.; Kędzierska, E.; Wróbel, T.M.; Kondej, M.; Archała, A..; Stępnicki, P.; Biała, G.; Matosiuk, D.; **Kaczor, A.A.**: The Antipsychotic D2AAK1 as a Memory Enhancer for Treatment of Mental and Neurodegenerative Diseases; *Int. J. Mol. Sci.* **2020**, *21*, 8849, IF=4,556. 6. **Kaczor, A.A.**; Silva, A.G.; Loza, M.I.; Kolb, P.; Castro, M.; Poso, A.: Structure-Based Virtual Screening for Dopamine D2 Receptor Ligands as Potential Antipsychotics; *ChemMedChem* **2016**, *11*, 718-729, IF=3,225. 7. Stępnicki, P.; Wronikowska-Denysiuk, O.; Zięba, A.; Targowska-Duda, K. M.; Bartyzel, A.; Wróbel, M. Z.; Wróbel, T. M.; Szałaj, K.; Chodkowski, A.; Mirecka, K.; Budzyńska, B.; Fornal, E.; Turło, J.; Castro, M.; Novel Multi-Target Ligands of Dopamine and Serotonin Receptors for the Treatment of **Kaczor, A.A.** Schizophrenia Based on Indazole and Piperazine Scaffolds-Synthesis, Biological Activity, and Structural Evaluation. *J.*

	Enzyme Inhib. Med. Chem. **2023**, *38*, 2209828, IF=5,600. 8. Stępnicki, P.; Targowska-Duda, K. M.; Martínez, A. L.; Zięba, A.; Wronikowska-Denysiuk, O.; Wróbel, M. Z.; Bartyzel, A.; Trzpil, A.; Wróbel, T. M.; Chodkowski, A.; Mirecka, K.; Karcz, T.; Szczepańska, K.; Loza, M. I.; Budzyńska, B.; Turło, J.; Handzlik, J.; Fornal, E.; Poleszak, E.; Castro, M.; **Kaczor, A.A.** Discovery of Novel Arylpiperazine-Based DA/5-HT Modulators as Potential Antipsychotic Agents - Design, Synthesis, Structural Studies and Pharmacological Profiling. *Eur. J. Med. Chem.* **2023**, *252*, 115285, IF=6,700. 9. Bartuzi, D.; Kędzierska, E.; Targowska-Duda, K. M.; Koszła, O.; Wróbel, T. M.; Jademyr, S.; Karcz, T.; Szczepańska, K.; Stępnicki, P.; Wronikowska-Denysiuk, O.; Biała, G.; Handzlik, J.; Kristensen, J. L.; Poso, A.; **Kaczor, A.A.** Funnel Metadynamics and Behavioral Studies Reveal Complex Effect of D2AAK1 Ligand on Anxiety-like Processes. *Sci. Rep.* **2022**, *12*, 21192, IF= 10. Bayrak, A.; Mohr, F.; Kolb, K.; Szpakowska, M.; Shevchenko, E.; Dicenta, V.; Rohlfing, A.-K.; Kudolo, M.; Pantsar, T.; Günther, M.; **Kaczor, A. A.**; Poso, A.; Chevigné, A.; Pillaiyar, T.; Gawaz, M.; Laufer, S. A. Discovery and Development of First-in-Class ACKR3/CXCR7 Superagonists for Platelet Degranulation Modulation. *J. Med. Chem.* **2022**, *65*, 13365–13384, IF=7,300.
Professional achievements and professional activity in the subject of training	**Main achievements in research** 1. Construction of the first complete models of any ionotropic glutamate receptors. 2. Identification of novel allosteric binding sites of the kainate GluK1 and GluK2 receptors. 3. Synthesis of the most active GluK1 and the first GluK2 non-competitive antagonists. 4. Contribution to the development of the potent positive allosteric modulators of the opioid receptors. 5. Development of the protocol for modelling GPCR dimers and their interaction with bivalent ligands. 6. Development of the fractal-based approach for finding ligand-protein and protein-protein interfaces. 7. Successful identification of potential antypsychotics in structure-based VS. and their multidisciplinary studies. 8. Successful identifications of allosteric ligands of family A GPCRs in structure-based VS. **Invited lectures** 1. Homology modelling of ionotropic GluR5/6 receptors and theoretical studies of novel GluR5/6 non-competitive antagonists. 1st Polish Meeting on Medicinal Chemistry, Lublin, Poland, 19.09-20.09 **2008**. 2. Allosteric modulation of G protein-coupled receptors as novel approach to the treatment of CNS disorders. 2nd Polish Meeting on Medicinal Chemistry, Lublin, Poland, 08.09-10.09 **2009**. 3. Computational approaches to prediction of G protein-coupled receptors

	oligomerization. BIT's 8th International Drug Discovery Science and Technology (IDDST), Beijing, China, 23.10-26.10 **2010**. 4. Application of fractal dimension for identification of ligand-protein binding interfaces – a methodological study. 4th Polish Meeting on Medicinal Chemistry, Lublin, Poland, 08.09-10.09 **2011**. 5. Molecular modelling of GPCR dimers. 104th OMICS Group Conference. Proteomics & Bioinformatics. Philadelphia, USA, 15.07-17.07 **2013**. 6. Computer as a tool for designing and studying drugs. 1st Congress of the Polish Biochemistry, Cell Biology, Biophysics and Bioinformatics. Bio 2014. Warsaw, 09.09-12.09 **2014**. 7. Recent advances in functioning of G protein-coupled receptors: insight from molecular modelling. 6th Polish Meeting on Medicinal Chemistry, Lublin, Poland, 18.09-20.09 **2014**. 8. Molecular modelling for cannabinoid receptors. Current and Future Perspectives of micro- and macro modelling of infectious diseases: from system biology to control and dynamics, Riga, 13.01-15.01 **2016**. 9. Novel antipsychotics identified in structure-based virtual screening, 3rd International Conference on New Trends in Chemistry, Helsinki, Finland, 28.04-30.04 **2017** 10. D2AAK1 – a multi-faceted compound [PL]. I Ogólnopolskie Forum Młodych : Aktualne kierunki badań w naukach farmaceutycznych. 02.03.2023 [online], Lublin 2023, Polskie Towarzystwo Farmaceutyczne. 11. D2AAK1 derivatives with a multidirectional effect on the CNS [PL]. V Sympozjum "Szkoła Chemii Medycznej". Gdańsk, 16.09-18.09 2024.
Research grants	**Current research grants:** 1. Novel broad-spectrum central nervous system active substances: optimization of their multi-target profile, National Research Center, OPUS grant, 01.08.2022-31.07.2025 2. Dietary polyphenols as thyroid peroxidase (TPO) modulators with multidirectional biological activity - a combined in vitro and in silico investigations National Research Center, OPUS grant, 02.03.2020-01.03.2025 **Past research grants:** 3. Novel multi-target ligands of aminergic GPCRs as pharmacological tools to study the pathomechanism of schizophrenia. National Research Center, OPUS grant, 31.07.2018-30.07.2021. 4. Molecular modelling of cannabinoid CB1 receptor homodimer and its interaction with ligands: the role of CRIP1a protein (CannaBiDim), Marie Curie-Skłodowska fellowship, 1.08.2012-31.07.2014. 5. Molecular modelling of D2R-mGluR5 heterodimer as a drug target in schizophrenia, DAAD, 01.11.2011-30.04.2012. 6. Identification of novel molecular targets for the treatment of schizophrenia and the design of potent antipsychotics, Foundation for Polish Science, La Marató de TV3 Foundation, 01.10.2009-31.03.2011. 7. Synthesis and study on novel non-competitive antagonists of GluR5/6 receptors with expected neuroprotective and antiseizure activity, Polish Ministry of Science and Higher Education,

	01.01.2005-31.12.2007. **Selected computational grants:** 8. Molecular simulations of drug targets involved in the central nervous system diseases (NERVOMOLSIM), PRACE European Computing Infrastructure, 01.06.2021-31.10.2023. 9. Molecular mechanisms of signal transduction through transmembrane receptors (MOLTRANSREC), PRACE European Computing Infrastructure and Poznan Supercomputing and Networking Center, 02.06.2017-02.12.2019. 10. Molecular modeling of transmembrane protein complexes involved in pathomechanism of central nervous system diseases (MODMOLNER). Interdisciplinary Center for Mathematical and Computational Modelling (ICM, Poland), 01.07.2017-30.10.2019. 11. Molecular simulations of transmembrane receptors in native-like membranes: focus on allosteric ligands (ALLOTRANS) PRACE European Computing Infrastructure. 01.07.2014-30.06.2015
Cross-cutting skills *	Critical thinking, innovative thinking, communication skills
Signature	Agnieszka Kaznów

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Ewa Kędzierska
Academic degree/title	Ph.D.
Affiliation	Department of Pharmacology and Pharmacodynamics
Scientific discipline	pharmaceutical sciences
The course (conducted at the Doctoral School)	News from the field of pharmaceutical sciences - new directions of research in pharmacology
Qualifications and competencies for training in the subject of education	Since 2000 to the present, I have been teaching pharmacology with pharmacodynamics and pharmacotherapy in the form of lectures, seminars and specialist classes with students of the 4th and 5th year of Pharmacy; Cosmetology I and II degree; Medical Analytics and English-speaking students of the 4th year of Dentistry in the Asian program. Other subjects taught, optionally: • Advances in pharmacotherapy • Analysis of the efficacy, usefulness and adverse effects of drugs • Production of investigational medicinal products, good clinical practice 2021-2023 - Scientific expert in the project "Education and research in the field of drug design and development within the V4 region. Number: 22130144 financed by the International Visegrad Fund 16/09/2024 to 23/09/2024 – completed course: How to assess students?, organized by the Team for Continuous Development of Academic Efficiency of the Medical University of Lublin
Publications thematically related to the subject of the course	• Research in the field of drug design and development. GRAŻYNA BIAŁA, EWA KĘDZIERSKA, MARTA KRUK-SŁOMKA, ORZELSKA-GÓRKA JOLANTA, SARA HMAIDAN, ALEKSANDRA SKROK, JAKUB KAMIŃSKI, EVA HAVRANKOVA, DOMINIKA NADASKA, IVAN MALIK. Pharmaceuticals [online] 2023; 16 nr 9, s. 1-23. DOI: 10.3390/ph16091283. IF = 4.3, 140 pkt, review paper • Selenium intake and postnatal depression - a short review. NATALIA KARKOSZKA, EWA GIBUŁA-TARŁOWSKA, JOLANTA KOTLIŃSKA, ANNA BIELENICA, KINGA GAWEŁ, EWA KĘDZIERSKA. Nutrients 2024; 16 nr 12, s. 1-

	15. DOI: 10.3390/nu16121926. IF = 4,800, 140 pkt, review paper • Cebranopadol as a novel promising agent for the treatment of pain. WOJCIECH ZIEMICHÓD, JOLANTA KOTLIŃSKA, EWA GIBUŁA-TARŁOWSKA, NATALIA KARKOSZKA, EWA KĘDZIERSKA. Molecules 2022; 27 nr 13, s. 1-11, DOI: 10.3390/molecules27133987. IF = 4.6, 140 pkt, review paper • Leki anorektyczne aktualnie stosowane w farmakoterapii otyłości. JAKUB KAMIŃSKI, EWA GIBUŁA-BRUZDA, JOLANTA ORZELSKA-GÓRKA, EWA KĘDZIERSKA. Forum Med. Rodz. 2022 vol. 16 nr 3 s. 91-101. 40 pkt, review paper • Rola PCSK9 w leczeniu zaburzeń lipidowych. (The role of PCSK9 inhibitors in the treatment of lipid disorders.). MAGDALENA TURYK, PAULINA SZYMCZYK, EWA KĘDZIERSKA, EWA GIBUŁA-TARŁOWSKA, JOLANTA ORZELSKA-GÓRKA. W: Skuteczna medycyna stylu życia i zdrowie metaboliczne jako wyzwania XXI wieku. Red. Monika Maciąg, Kamil Maciąg Lublin 2024, Wydawnictwo Naukowe TYGIEL Sp. z o. o, s. 46-54. 20 pkt, review paper • Analogi hormonów inkretynowych w terapii chorób metabolicznych. (Analogs of incretin solutions in the treatment of metabolic diseases.). PAULINA SZYMCZYK, MAGDALENA TURYK, EWA GIBUŁA-TARŁOWSKA, MARTA KRUK-SŁOMKA, EWA KĘDZIERSKA. W: Skuteczna medycyna stylu życia i zdrowie metaboliczne jako wyzwania XXI wieku. Red. Monika Maciąg, Kamil Maciąg Lublin 2024, Wydawnictwo Naukowe TYGIEL Sp. z o. o, s. 55-67. 20 pkt, review paper • Strategie leczenia uzależnienia od opioidów. (Opioid dependence treatment strategies.). ZUZANNA CZEKAJ, EWA KĘDZIERSKA, JOLANTA ORZELSKA-GÓRKA, EWA GIBUŁA-TARŁOWSKA. Farm. Współcz. 2022 t. 15 nr 2 s. 85-96. 20 pkt, review paper • Leki nadużywane w celu zwiększenia możliwości mózgu. (Drugs abused to enhance brain capabilities.). SARA HMAIDAN, MAŁGORZATA ŁOPATYŃSKA-MAZUREK, EWA GIBUŁA-TARŁOWSKA, EWA KĘDZIERSKA. J. Life Med. Sci. 2022 vol. 34 nr 2 s. 3-15, DOI: 10.5281/zenodo.7631268. 5 pkt, review paper

Professional achievements and professional activity in the subject of training	• Author of 56 original publications in international journals from the Philadelphia list, over 90 review or popular science articles and 17 national patents; • Participation in over 100 scientific conferences as a speaker or scientific supervisor of students • Participation in the preparation and presentation of over 30 projects taking place as part of the Lublin Science Festival • Participation in the Scientific Committees of numerous conferences organized by the Foundation for the promotion of science and development TYGIEL, and the FORUM MŁODYCH 2023 and 2024 Conferences • Member of the Journal of Intercultural Ethnopharmacology Advisory Board • Guest Editor in the journal Pharmaceuticals, from 2023 • Participation in organizing committees of international and national scientific conferences – Member of the Organizing Committee of the XVIII International Congress of the Polish Pharmacological Society. Kazimierz Dolny, 23-25.05.2013 – Member of the Organizing Committee of the XX International Congress of the Polish Pharmacological Society. Lublin, 5-7.06.2019 – Member of the Organizing Committee of the conference „Uzależnienia – wyzwanie dla współczesnych nauk medycznych", Medical University in Lublin, 6.06.2018. • Co-author of a project submitted to the National Agency for Academic Exchange in the Canaletto 2024 competition. The project has now entered the substantive assessment stage. • Participation in European and other international and national programs: – 03.07.2009 - 05.12.2009 – participation in the project "Professional Medical Staff – Extension of the Educational Offer of the Medical University of Lublin". Project co-financed by the European Union under the European Social Fund. – 01.06.2012 – 31.05.2013 – lecturer in the project: EDUCATION FOR SAFETY – TRAINING IN FIRST AID AND ADDICTION RECOGNITION. Project co-financed by the European Union under the European Social Fund – 01.01.2013 - 31.12.2015 - lecturer in the project No. UDA-POKL.04.03.00-00-052/12-00 "MEDFUTURE - medical professions of the future" Project co-financed by the European Union under the European Social Fund. – 12.08.2014 - 31.08.2015 - participation in the project: "Health is a priority. Partnership of Medical Universities of Poland and Ukraine for improving the quality of medical care in the Polish-Ukrainian borderland" no. IPBU.03.01.00-06-369/11 under the Cross-Border Cooperation Program Poland-Belarus-Ukraine 2007-2013;

	co-financed by the European Union. - 01/09/2018 - 31/08/2022 - lecturer in the project: "HQMedEd - High Quality Medical Education - Integrated Development Programs of the Medical University of Lublin number POWR.03.05.00-00-Z023/17 under the Operational Program Knowledge Education Development 2014 - 2020, Priority Axis III. Higher education for the economy and development, Measure 3.5 Comprehensive higher education programs, co-financed by the European Union from the European Social Fund Reviewing publications in international journals from the Philadelphia list, such as: Acta Pharmaceutica, Brain Research Bulletin, Journal of Psychopharmacology, Naunyn-Schmiedeberg's Archives of Pharmacology, Journal of Clinical Medicine, International Journal of Environmental Research and Public Health, monographs or chapters to scientific monographs, doctoral, master's and bachelor's theses, as well as internal grants of the Medical University
Research grants	• Project manager, project financed by the National Science Centre (NCN): 2018, MINIATURA 2 grant no. 2018/02/X/NZ7 • Contractor of projects financed by the State Committee for Scientific Research (KBN) or National Science Centre (NCN): – 2008-2011 – KBN grant no. 405063334 – 2018 - NCN OPUS grant no. 2017/25/B/NZ7/01845 – 2018 - NCN OPUS grant no. 2017/27/B/NZ7/01767
Cross-cutting skills *	• Performing the function of the supervisor of the Student Scientific Club at the Department and Institute of Pharmacology with Pharmacodynamics since 2021. • supervision of a foreign student as part of the Erasmus program (2018), • conducting classes in a foreign language, including at a foreign university as part of the mobility of academic teachers, i.e. as part of the international Erasmus Plus program - lectures at the Department of Pharmacy and Biochemistry; University of Zagreb (2016) • supervision of students from the scientific club presenting papers at national conferences (over 20 presentations) Lectures given: 8. 12. 2017 – inaugural lecture: "Medical marijuana" during the 4th Lublin International Medical Congress (LIMC) 30. 04. 2009 - "Memory mechanisms" during the scientific conference "How to learn healthily" of the Department of Dietetics, Higher School of Social Sciences in Lublin –

	lecture at the invitation of the organizers; 24.09. 2012 – "Application of basic screening tests and specialist assessment of therapeutic usefulness of new compounds/drugs acting on the central nervous system" during the 1st Conference of Cooperation Offers Science – Industry, Medical University of Lublin 30. 05. 2014 – "Stimulants and psychotropic substances. How to recognize, how to defend yourself against it" presented during the Night of Universities, module: MEDICAL – CLASSIC; 11. 12. 2014 – "Energy drinks and coffee – it's fun! Or how to switch on the fifth gear in your brain" – a lecture at the invitation of the Young Physicians' Organization; 12. 04. 2016 - "Psychoactive substances: caffeine, energy drinks, and "new" drugs" presented during the Open Day at the Medical University of Lublin, module: Stimulants and psychotropic substances. Do they help or harm?, 28.02. 2017 – "Pharmacology for everyone" for students of the 1st High School in Kraśnik as part of the cooperation between the Medical University and post-secondary schools; 01. 03. 2017 – "21st century drugs without a prescription, or how easy it is to burn (burn) your health" – a lecture at the invitation of the Young Physicians' Organization; Participation in numerous training courses organized as part of continuous training within the project "Development and implementation of medical and pharmacy education programs using e-learning at the Medical University of Lodz" financed by the European Union from the European Social Fund under the Human Capital Operational Program, Priority IV Higher Education and Science, including: 23.07.2012 - "Modern methods of treating obesity", 24.07.2012 - "Diabetes as a problem of modern medicine 24.07.2012 - "Modern antibiotic and chemotherapy of infectious diseases", 25.07.2012 - "Pharmacotherapy of eye diseases" 21.09.2015 - "Drug-induced diseases - prevention, detection and treatment" 21.09.2015 - "Advances in pharmacotherapy of digestive system diseases" Participation in courses organized by the Training Center Postgraduate Studies at the Faculty of Pharmacy with the Department of Laboratory Medicine of the Medical University of Gdańsk: 19.04.2015 - "Methods of increasing the effectiveness and safety of pharmacological treatment" 2.10.2016 - "Decision-making process in pharmaceutical care - making therapeutic decisions and analyzing their consequences"

	21.03.2018 - "Pharmacotherapy of diseases of the oral cavity, throat, larynx, nose and ear" Participation in courses organized by the Postgraduate Studies at the Faculty of Pharmacy with the Department of Laboratory Medicine of the Medical University of Warsaw, including: 04.10.2013 - "Nutraceuticals, dietary supplements, vitamins" 27.03.2015 - "Basics of pharmaceutical care" 26.05.2017 - "Pharmaceutical care: geriatrics" 08.06.2015 - participation in training workshops: "Behavioral and physiological studies: Zebrafish, rodents and large laboratory animals", Anima, Vivari, Lublin; 03.03.2018 - participation in a scientific and training session entitled: "Modern pharmaceutical care" organized by the Postgraduate Education Studies at the Faculty of Pharmacy of the Jagiellonian University, Collegium Medicum; 09.04.2018 - 17.04.2018 - training: Using specialist databases taking into account the specificity of the subjects being taught. Electronic sources of medical information supporting teaching. Bibliometric assessment of scientific achievements in practice conducted by the Medical University of Lublin as part of the project "M-Edukator - a program for continuous development of competences of medical staff of the Medical University of Lublin", Operational Program Knowledge Education Development 2014-2020, POWR.03.04.00-00-D018/16;
Signature	Ewa Kąchiersta

Profile of an Academic Teacher

Doctoral School of the Medical University of Lublin

Name and Surname:	Agnieszka Korga-Plewko
Academic Degree/Title:	Dr hab. n. o med. i n. o zdr.
Place of Work:	Independent Medical Biology Unit
Scientific Discipline:	Pharmaceutical Sciences
Subject Taught:	Badania przedkliniczne
Qualifications and Competences for Teaching the Subject	**Wykształcenie i kluczowe kursy:** • **2009** – Ph.D. in Medical Sciences in the field of Medical Biology Medical University of Lublin, Second Faculty of Medicine with the English Division • **2009** – Postgraduate studies: Management of Scientific Research and Development Work in Scientific Institutions (Catholic University of Lublin) • **2015** – Training for individuals performing activities related to the use of animals for scientific or educational purposes (in accordance with the Ministry of Science and Higher Education regulation of May 5, 2015) • **2018** – III Summer School of Personalized Medicine "New Horizons in Personalized Medicine" (Oncology Center in Warsaw) • **2019 – 2020** – Academy of Effective Preclinical Research PACTT – Pfizer (Center for New Technologies, University of Warsaw) • **2020** – Postdoctoral qualification (habilitation) in Medical Sciences and Health Sciences in the discipline of Medical Sciences Medical University of Lublin, Faculty of Medicine • **2024** – 1st Edition of the Mentoring Platform Program, Warsaw Health Innovation Hub, Medical

	Research Agency **Knowledge of Research Methods:** • Proficiency in in vitro methods and analytical techniques such as PCR, western blot, ELISA, flow cytometry, light and fluorescence microscopy • Practical knowledge of compliance requirements with GLP and international ethical guidelines in preclinical research • Experience in designing experiments and conducting procedures on laboratory animals • Familiarity with regulations on the use of animal models in pharmacological and toxicological research
Publications Related to the Subject Taught:	1. Assessment of the impact of SARS-CoV-2 infection on the sexual function of women, levels of oxytocin and prolactin: a prospective cohort study. [AUT. KORESP.] KLAUDIA ŻAK, ERNEST STAREK, [AUT.] **AGNIESZKA KORGA-PLEWKO**, KAROLINA RASOUL- PELIŃSKA, MONIKA ABRAMIUK, MARIOLA MICHALCZUK, ALICJA RAJTAK, JAN KOTARSKI, KAROLINA FRANKOWSKA, LILIANA BIS, MARTA OSTROWSKA-LEŚKO, MARCIN BOBIŃSKI. J. Clin. Med. [online] 2024 vol. 13 nr 8 [art. nr] 2230, s. 1- 13. 2. Assessment of the impact of carvedilol administered together with dexrazoxan and doxorubicin on liver structure and function, iron metabolism, and myocardial redox system in rats. [AUT.] JAROSŁAW SZPONAR, AGNIESZKA GÓRSKA, [AUT. KORESP.] MARTA OSTROWSKA-LEŚKO, [AUT.] **AGNIESZKA KORGA-PLEWKO**, MICHAŁ TCHÓRZ, ERWIN CIECHAŃSKI, ANNA DĄBROWSKA, EWA POLESZAK, FRANCISZEK BURDAN, JAROSŁAW DUDKA, MAREK MURIAS, SŁAWOMIR MAŃDZIUK. Int. J. Mol. Sci. [online] 2024 vol. 25 nr 4 [art. nr] 2219, s. 1-16 3. 2,4-dinitrophenol enhances cisplatin and etoposide cytotoxic activity on prostate cancer cell line. [AUT. KORESP.] GRZEGORZ ADAMCZUK, [AUT.] EWELINA HUMENIUK, KAMILA ADAMCZUK, ANETA GRABARSKA, BARBARA MADEJ-CZERWONKA, MARIOLA MICHALCZUK,

	AGNIESZKA KORGA-PLEWKO, JAROSŁAW DUDKA. Ann. Agric. Environ. Med. [online] 2024 vol. 31 nr 1 s. 37-46, 4. Phytochemical analysis and anti-cancer properties of extracts of Centaurea castriferrei Borbás & Waisb genus of Centaurea L. [AUT.] JOANNA KUBIK, ŁUKASZ WASZAK, [AUT. KORESP.] GRZEGORZ ADAMCZUK, [AUT.] EWELINA HUMENIUK, MAGDALENA IWAN, KAMILA ADAMCZUK, MARIOLA MICHALCZUK, AGNIESZKA KORGA-PLEWKO, ALEKSANDRA JÓZEFCZYK. Molecules [online] 2022 vol. 27 nr 21 [art. nr] 7537, s. 1-17, 5. Targeting energy metabolism in cancer treatment. [AUT.] JOANNA KUBIK, [AUT. KORESP.] EWELINA HUMENIUK, [AUT.] GRZEGORZ ADAMCZUK, BARBARA MADEJ-CZERWONKA, **AGNIESZKA KORGA-PLEWKO**. Int. J. Mol. Sci. [online] 2022 vol. 23 nr 10 [art. nr] 5572, s. 1-39, 6. Phytochemical profiling and biological activity of the extracts obtained from green biomass of three Miscanthus L. species using supercritical carbon dioxide extraction. [AUT. KORESP.] **AGNIESZKA KORGA-PLEWKO**, [AUT.] GRAŻYNA ZGÓRKA, ALEKSANDRA JÓZEFCZYK, AGNIESZKA GRZEGORCZYK, ANNA BIERNASIUK, ANASTAZJA BOGUSZEWSKA, BARBARA RAJTAR, ŁUKASZ ŚWIĄTEK, MAŁGORZATA POLZ-DACEWICZ, PRZEMYSŁAW KOŁODZIEJ, DANIEL ZALEWSKI, ANNA BOGUCKA-KOCKA, MAGDALENA IWAN, JAROSŁAW DUDKA, EDWARD RÓJ, KATARZYNA TYŚKIEWICZ, EWELINA OLBA-ZIĘTY, MICHAŁ KRZYŻANIAK, MARIUSZ JERZY STOLARSKI, ANNA MALM. Ind. Crops Prod. [online] 2022 vol. 189 [art. nr] 115641, s. 1-12 7. 2,4-dichlorophenoxyacetic thiosemicarbazides as a new class of compounds against stomach cancer potentially intercalating with DNA. MONIKA PITUCHA*, **AGNIESZKA KORGA- PLEWKO**, PAWEŁ KOZYRA, MAGDALENA IWAN, AGNIESZKA A. KACZOR. Biomolecules [online] 2020 vol. 10 nr 2 [art. nr] 296, s. 1-13, 8. Ethanol extracts of Allium sp. regulate

	cyclooxygenase-2 and E-cadherin expression in gastric cancer MKN74 cell line and enhance doxorubicin toxicity. **AGNIESZKA KORGA**, MARTA OSTROWSKA*, MAGDALENA IWAN, MAŁGORZATA SKIERUCHA, ALEKSANDRA JÓZEFCZYK, PIOTR PAWŁOWSKI, JAROSŁAW DUDKA, RYSZARD MACIEJEWSKI^, ROBERT SITARZ^. Food Nutr. Res. [online] 2019 vol. 63 [art. nr] 3449, s. 1-8, 9. Apigenin and hesperidin augment the toxic effect of doxorubicin against HepG2 cells. **AGNIESZKA KORGA***, MARTA OSTROWSKA, ALEKSANDRA JÓZEFCZYK, MAGDALENA IWAN, RAFAŁ WÓJCIK, GRAŻYNA ZGÓRKA, MARIOLA HERBET, GEMMA G. VILARRUBLA, JAROSŁAW DUDKA. BMC Pharmacol. Toxicol. [online] 2019 vol. 20 nr 1 [art. nr] 22, s. 1-13, 10. Inhibition of glycolysis disrupts cellular antioxidant defense and sensitizes HepG2 cells to doxorubicin treatment. **AGNIESZKA KORGA***, MARTA OSTROWSKA, MAGDALENA IWAN, MARIOLA HERBET, JAROSŁAW DUDKA. FEBS Open Bio [online] 2019 vol. 9 nr 5 s. 959-972
Professional Achievements and Activities Related to the Subject	he main focus of my research is the design of new anticancer molecules and the toxicological screening of newly synthesized compounds in in vitro studies, research on natural compounds for their potential anticancer effects, as well as the study of interactions between chemotherapeutics and factors influencing their effectiveness. **Summary of Scientific Achievements:** • 63 original scientific papers and 18 review papers with a total impact factor of 176.985 • 45 conference presentations • 12 granted national patents **Teaching Activities** • Lectures and practical classes in Pathomorphology for students of Medical Analytics, Nursing, and Midwifery • Lectures and seminars in General Pathology for

	Physiotherapy students • Lectures and practical classes in Molecular Diagnostics for Medical Analytics students • Practical classes in Skin Oncology for Cosmetology students • Lectures and practical classes in Preclinical Research for 3rd-year Doctoral School students • Supervision of the Scientific Circle at the Independent Laboratory of Medical Biology • Assistant supervisor in 3 completed doctoral dissertations • Supervisor in 2 ongoing doctoral dissertations • Supervisor of 25 experimental master's theses conducted by students of Pharmacy and Medical Analytics **Other Activities Related to the Subject** • Since 2023 – Innovation Broker at the Medical University of Lublin **Awards** • Team Award of the Minister of Health for significant achievements in implementation activities (2023) • Silver Medal at the 17th International Trade Fair for Inventions and Innovations INTARG (2024)
Research Grants	- BIOSTRATEG III "Bioproducts from lignocellulosic biomass obtained from marginal lands to fill the gap in the national bioeconomy" – participant (2017–2021) - 2.1 PO IR "Support for investment in R&D infrastructure of enterprises" project: "Establishment of the Research and Development Center VITAMA S.A." – participant (since 2017) - Correlation of clinical features of breast cancer (degree of malignancy and advancement, molecular and histological type) with the phenotype of its microenvironment – team member (DS. 702 2024–2026) - "Effect of flavonoids on the phenotype of tumor-associated fibroblasts (CAFs) exposed to ionizing radiation and classical chemotherapeutics with different mechanisms of action" – principal investigator (DS. 37

	2022–2023) - "Isolation of active substances from Cochlospermum angolense extract fractions and evaluation of their anticancer properties in vivo" – principal investigator (DS. 37 2020–2021) - "Identification of active substances in phenolic acid fractions of Marrubium spp. extracts with cytotoxic effects against hepatocellular carcinoma cell lines" – principal investigator (DS. 37 2018–2019)

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Wirginia Kukuła-Koch
Academic degree/title	Prof. dr hab. n. med. i n. o zdr.
Affiliation	Department of Pharmacognosy with the Medicinal Plants Garden
Scientific discipline	Pharmaceutical Sciences
The course (conducted at the Doctoral School)	Kosmeceutyki - od kompozycji po zastosowanie Cosmeceutics – from composition to applications
Qualifications and competencies for training in the subject of education	I share my scientific experience (gathered in national and foreign research centers: Greece, Japan, Austria, Germany, Kazakhstan, Mongolia, France) during didactic classes and in work with many students coming to the Medical University of Lublin as part of foreign scholarships from domestic universities, scientific exchanges financed from project funds and the Erasmus + program. In my professional work, I was a supervisor of 17 foreign students, 9 post-doctoral researchers, a supervisor or second supervisor of 13 doctoral students from Poland and abroad, a supervisor and auxiliary supervisor of over 20 master's theses. In the years 2009-2020 I was a lecturer in the field of Cosmetology and Pharmacy.
Publications thematically related to the subject of the course	**Selected scientific publications**: • Biological properties of extracts obtained from in vitro culture of *Plectranthus scutellarioides* in a cell model. [AUT. KORESP.] TOMASZ KOWALCZYK, [AUT.] JOANNA SIKORA, ANNA MERECZ-SADOWSKA, WIRGINIA KUKUŁA-KOCH, EWELINA SYNOWIEC, AGATA MAJDA, DAWID JUDA, TOMASZ ŚLIWIŃSKI, [AUT. KORESP.] PRZEMYSŁAW SITAREK. *Int. J. Mol. Sci.* [online] 2024 vol. 25 nr 2 [art. nr] 1043, s. 1-20, • *Lepidium peruvianum* as a source of compounds with anticancer and cosmetic applications. [AUT.] DOROTA KASPRZAK, KATARZYNA GAWEŁ-BĘBEN, [AUT. KORESP.] WIRGINIA KUKUŁA-KOCH, [AUT.] MARCELINA STRZĘPEK-GOMÓŁKA, [AUT. KORESP.] ANNA WAWRUSZAK, [AUT.] SYLWIA WOŹNIAK, MARCELINA CHRZANOWSKA, KAROLINA CZECH, JULIA BORZYSZKOWSKA-BUKOWSKA, KAZIMIERZ GŁOWNIAK, DARIUSZ MATOSIUK, RITA C. ORIHUELA-CAMPOS, BARBARA JODŁOWSKA-JĘDRYCH, TOMASZ LASKOWSKI, HENRY O. MEISSNER. *Int. J. Mol. Sci.* [online] 2024 vol. 25 nr 19 [art. nr] 10816, s. 1-25, bibliogr. poz. 72,

	• Evaluating the quality, physicochemical properties, and biological activities of Centauri® honey from Turkey. [AUT.] MÁRCIA SANTOS FILIPE, TOMASZ KOWALCZYK, WIRGINIA KUKUŁA-KOCH, JOANNA WIECZFINSKA, GABRIELLE BANGAY, ANA M. DIAZ-LANZA, ROSSANA V.C. CARDOSO, FILIPA MANDIM, SORAIA I. FALCÃO, MIGUEL VILAS-BOAS, TOMASZ ŚLIWIŃSKI, PRZEMYSŁAW SITAREK, [AUT. KORESP.] PATRÍCIA RÍJO. *Food Biosci* [online] 2024 [art. nr] 105028, s. 1-14, bibliogr. poz. 60, • Studies on the effects of fermentation on the phenolic profile and biological activity of three cultivars of kale. [AUT. KORESP.] MAGDALENA MICHALAK-TOMCZYK, [AUT.] ANNA RYMUSZKA, WIRGINIA KUKUŁA-KOCH, DOMINIK SZWAJGIER, EWA BARANOWSKA-WÓJCIK, JACEK JACHUŁA, AGNIESZKA WELMAN-STYK, KINGA KĘDZIERSKA. *Molecules* [online] 2024 vol. 29 nr 8 [art. nr] 1727, s. 1-20, bibliogr. poz. 69, [przeglądany 12 kwietnia 2024]. • Functional validation of Lobularia maritima thioredoxin-h2 protein for its ability to combat bacterial and fungal infections. [AUT.] RANIA BEN SAAD, [AUT. KORESP.] WALID BEN ROMDHANE, [AUT.] WIRGINIA KUKUŁA-KOCH, BOUTHAINA BEN AKACHA, NARJES BAAZAOUI, MOHAMED TAIEB BOUTERAA, YOSRA CHOUAIBI, ANIS BEN HSOUNA, MARIA MAISTO, [AUT. KORESP.] MIROSLAVA KAČÁNIOVÁ. *Physiol. Mol. Plant. Pathol.* [online] 2024 vol. 129 [art. nr] 102206, s. 1-10, bibliogr. poz. 81 • *Campomanesia lineatifolia* Ruiz & Pavón (Myrtaceae): isolation of major and minor compounds of phenolic-rich extract by high-speed countercurrent chromatography and anti-inflammatory evaluation. [AUT. KORESP.] NÍVEA CRISTINA VIEIRA NEVES, [AUT.] MORGANA PINHEIRO DE MELLO, ISABELLA ZAIDAN, LIRLÂNDIA PIRES SOUSA, ALYSSON VINÍCIUS BRAGA, RENES RESENDE MACHADO, WIRGINIA KUKUŁA-KOCH, FABIO BOYLAN, MARCELO VIDIGAL CALIARI, [AUT. KORESP.] RACHEL OLIVEIRA CASTILHO. *J. Ethnopharmacol.* [online] 2023 vol. 310 [art. nr] 116417, s. 1-14, bibliogr. poz. 104, • Phytochemical profiling, antioxidant and tyrosinase regulatory activities of extracts from herb, leaf and in vitro culture of *Achillea millefolium* (yarrow). [AUT.] KAROLINA CZECH, [AUT. KORESP.] KATARZYNA GAWEŁ-BĘBEN, [AUT.] AGNIESZKA SZOPA, [AUT. KORESP.] WIRGINIA KUKULA-KOCH, [AUT.] THOMAS JAKSCHITZ, GÜNTHER BONN, SHAH HUSSAIN, PAWEŁ KUBICA, HALINA EKIERT, KAZIMIERZ GŁOWNIAK. *Molecules* [online] 2023 vol. 28 nr 12 [art. nr] 4791, s. 1-15, bibliogr. poz. 49, [przeglądany 16 czerwca 2023]. • Multidirectional characterization of phytochemical profile and health-promoting effects of *Ziziphora bungeana Juz. extracts*. [AUT. KORESP.] KARLYGASH ZHAPARKULOVA, [AUT.] AIGERIM KARAUBAYEVA, ZURIYADDA SAKIPOVA, ANNA BIERNASIUK, [AUT. KORESP.] KATARZYNA GAWEŁ-BĘBEN, [AUT.] TOMASZ LASKOWSKI, ALIYA KUSNIYEVA, AZAMAT OMARGAL, TOLKYN BEKEZHANOVA, LILIYA IBRAGIMOVA, GALIYA IBADULLAYEVA, AMANGELDY JAKIYANOV, KAROLINA CZECH, KUANYSH TASTAMBEK, KAZIMIERZ GŁOWNIAK, ANNA MALM, WIRGINIA KUKUŁA-KOCH. *Molecules* [online] 2022 vol. 27 nr 24 [art. nr] 8994, s. 1-25, bibliogr. poz. 85, [przeglądany 17 grudnia 2022]. • Achillea species as sources of active phytochemicals for dermatological and cosmetic applications. [AUT.] MARCELINA

	STRZĘPEK-GOMÓŁKA, [AUT. KORESP.] KATARZYNA GAWEŁ-BĘBEN, [AUT.] WIRGINIA KUKUŁA-KOCH. Oxid. Med. Cell. Longev. [online] 2021 vol. 2021 art. ID 6643827, s. 1-14, bibliogr. poz. 68, [przeglądany 30 marca 2021]. • Antimicrobial potential of single metabolites of *Curcuma longa* assessed in the total extract by thin-layer chromatography-based bioautography and image analysis. [AUT.] LIDIA CZERNICKA, AGNIESZKA GRZEGORCZYK, ZBIGNIEW MARZEC, BEATA ANTOSIEWICZ, ANNA MALM, [AUT. KORESP.] WIRGINIA KUKUŁA-KOCH. *Int. J. Mol. Sci.* [online] 2019 vol. 20 nr 4 [art. nr] 898, s. 1-12, bibliogr. poz. 28, **Obtained patents:** • Patent. Poland, no P.443199. The method for the removal of b-asarone from Calamus oil. Medical University of Lublin, Technical University, Gdansk. Submission: 20.12.2022. Granted: 09.10.2024. • Patent. Poland, no 232912. The method for the isolation of magnoflorine from a dried extract of Cretan barberry. Medical Unievrsity of Lublin. [AUT.] WIRGINIA KUKUŁA-KOCH., submission No: P.419075, 11.10.2016. Granted: 18.04.2019 WUP 08/2019. • Patent. Poland, no 234949. The method for the isolation of escin from dried extracts by counter-current chromatography. Medical University of Lublin. [AUT.] BARTOSZ KĘDZIERSKI, KAZIMIERZ GŁOWNIAK, WIRGINIA KUKUŁA-KOCH., Submission no: P.417504, 09.06.2016. Granted: 24.01.2020 WUP 05/2020.
Professional achievements and professional activity in the subject of training	My scientific interests are related to the field of pharmacognosy and chemistry of natural products and include the optimization of extraction conditions and separation of plant secondary metabolites from the group of alkaloids, phenolic and terpene compounds, glucosinolates and saponins. In my research work, I deal with the search for pharmacologically active metabolites, their identification based on mass spectrometry and their isolation from extracts using countercurrent chromatography (CPC). A significant part of the research conducted is the search for plant compounds in mixtures with potential use in phytotherapy, food and cosmetics. As a member of the Polish and European Pharmacopoeia Commissions, I develop research methodology for assessing the quality and safety of medicinal plants. I am also involved in conducting *in vitro* and *in vivo* studies on isolated metabolites to determine their central, anticancer, antibacterial, antioxidant and skin whitening effects and the method of their extraction from plant material. I am a co-author of two patents of cosmetic significance, as well as the author of numerous scientific papers on the cosmetic potential of medicinal plants. I conduct my research on the cosmetic activity of plant compounds in cooperation with foreign research centers (France, Austria, Greece,

	Mongolia) and national research laboratories (Lublin, Gdańsk, Rzeszów, Wrocław).
Research grants	1. Project manager of OPUS project (National Science Centre) and head of the research consortium, entitled "Isolation of phenolic compounds contained in Zingiber officinale extracts and evaluation of their anticonvulsant activity in in vivo models. Years of implementation: 2022-2025. Total amount of awarded funds: PLN 2,534,795. Contract number: UMO-2021/41/B/NZ4/00337 2. Project manager of the research project financed by the Australian company TTD International, prof. Henry O. Meissner to perform tests of the biological activity of compounds isolated from four phenotypes of Lepidium meyenii syn. L. peruvianum in the years 2021-2023 in accordance with the contract no. UM-CTW-10/2021 of 28.07.2021. Total amount of awarded funds: PLN 180,564. 3. Principal investigator of the research project financed by the Australian company TTD International Pty Ltd., Prof. Henry O. Meissner for the performance of research on the extraction analysis of procognitive potential and composition of various varieties of Lepidium meyenii syn L. peruvianum in 2020-2021, in accordance with the agreement UM-CTW-1/2020 of February 10, 2020. Total amount of awarded funds PLN 107,669. 4. A researcher in the NAWA agency project, PROM no. PPI/PRO/2019/1/00011/U/00001 (PLN 670,816.00) for 2019-2023 received by the Medical University of Lublin; supervisor of two PhD students from the Mongolian National Medical University 5. A leading scientist of the Erasmus+ KA 171 for the years 2020-2023 no. 2020-1-PL01-KA107-079127 focused on scientific cooperation and exchange of students and staff with universities: from Mongolia (continuation of cooperation) and from Peru. 6. A leading scientist in the Erasmus+ KA 107 no. 2018-1-PL01-KA107-048968 (84,585.00 €) for the years 2018-20210 focused on scientific cooperation and exchange of students and staff with universities from Kazakhstan and Mongolia. 7. The PI of the project financed by the National Science Center (Sonata): Application of a modern chromatographic platform with biodetection: HPLC-DAD/MAO A/ESI-TOF-MS as a screening method for assessing the antidepressant properties of natural compounds. Project number: UMO-

	2015/17/D/NZ7/00822. Function: project manager. Years of implementation: 2016-2018. Project carried out in cooperation with the Department of Pharmacognosy and Natural Products Chemistry of the University of Athens. 8. Project financed by the National Center for Research and Development (international grant: Polish-Turkish): Obtaining new natural compounds for the therapy of Alzheimer's disease. Project number: 4/POLTUR-1/2016. Function: main contractor. Years of implementation: 2016-2018. Function: main contractor Project carried out in cooperation with Medipol University of Istanbul, Turkey.
Cross-cutting skills *	Innovative thinking, communication skills, teamwork and management, perseverance, intercultural understanding, ability to work under pressure, critical thinking and problem-solving skills, self-motivation, communication skills, media and information literacy
Signature	Wirginia Kukuła-Koch

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Monika Pitucha
Academic degree/title	dr hab.
Affiliation	Independent Radiopharmacy Unit
Scientific discipline	Pharmaceutical Sciences
The course (conducted at the Doctoral School)	Preclinical studies
Qualifications and competencies for training in the subject of education	**2012-2013** Postgraduate studies in Medical Analytics – Faculty of Pharmacy with the Department of Medical Analytics, Medical University of Lublin **2008-2009** Postgraduate studies in Management of scientific research and development work in scientific units organized by the Faculty of Philosophy, John Paul II Catholic University of Lublin.
Publications thematically related to the subject of the course	1. MONIKA PITUCHA, AGNIESZKA KORGA-PLEWKO, PAWEŁ KOZYRA, MAGDALENA IWAN, AGNIESZKA A. KACZOR. 2,4-dichlorophenoxyacetic thiosemicarbazides as a new class of compounds against stomach cancer potentially intercalating with DNA. Biomolecules, 2020, 10(2), 296, s. 1-13. DOI: 10.3390/biom10020296 2. MONIKA PITUCHA, ZBIGNIEW KARCZMARZYK, MARTA SWATKO-OSSOR, WALDEMAR WYSOCKI, MACIEJ WOŚ, KAMIL CHUDZIK, GRAŻYNA GINALSKA, ANDRZEJ FRUZIŃSKI. Synthesis, in vitro screening and docking studies of new thiosemicarbazide derivatives as antitubercular agents. Molecules , 2019, 24 (2), 251, s. 1-16. DOI: 10.3390/molecules24020251 3. MARTA SWATKO-OSSOR, KATARZYNA KLIMEK, ANNA BELCARZ, AGNIESZKA A. KACZOR, MONIKA PITUCHA, GRAŻYNA GINALSKA Do new N-substituted 3-amino-4-phenyl-5-oxo-pyrazolinecarboxamide derivatives exhibit antitubercular potential? Eur. J. Pharm. Sci. 2018,121, 155-165. DOI: 10.1016/j.ejps.2018.05.024 4. MACIEJ WOŚ, MAŁGORZATA MIAZGA-KARSKA, AGNIESZKA A.

	KACZOR, KATARZYNA KLIMEK, ZBIGNIEW KARCZMARZYK, DOROTA KOWALCZUK, WALDEMAR WYSOCKI, GRAŻYNA GINALSKA, ZOFIA URBAŃCZYK-LIPKOWSKA, MAJA MORAWIAK, MONIKA PITUCHA.Novel thiosemicarbazide derivatives with 4-nitrophenyl group as multi-target drugs: α-glucosidase inhibitors with antibacterial and antiproliferative activity. Biomed. Pharmacother. 2017, 93,1269-1276. DOI: 10.1016/j.biopha.2017.07.049 5. AGNIESZKA A. KACZOR, ANDRZEJ POLSKI, KAROLINA SOBÓTKA-POLSKA, ANNA PACHUTA-STEC, MAGDALENA MAKARSKA-BIAŁOKOZ, MONIKA PITUCHA Novel antibacterial compounds and their drug targets - successes and challenges. Curr. Med. Chem. 2017, 24(18) 1948-1982. DOI: 10.2174/0929867323666161213102127
Professional achievements and professional activity in the subject of training	**2018** - training series: use of specialist databases taking into account the specificity of the subjects taught, electronic sources of medical information supporting teaching, bibliometric assessment of scientific achievements in practice as part of the project "M-Edukator - a program of continuous development of competences of teaching staff of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.4. Management in higher education institutions. Project no. POWR. 03.04.00-00-D0 18/16, **2018**- training "Teaching narrative in medicine" as part of the project "M-Edukator - a program of continuous development of competences of teaching staff of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.4. Management in higher education institutions. Project no. POWR. 03.04.00-00-D0 18/16, **2018** - training "Creating e-learning courses on the moodle platform" as part of the project "M-Edukator - a program of continuous development of competences of teaching staff of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.4. Management in higher education institutions. Project no. POWR. 03.04.00-00-D0 18/16, **2017** - participation in the program conference of the National Science Congress "Excellence of academic education - how to reorient universities towards quality of education" organized by the Ministry of Science and Higher Education and the John Paul II Catholic University of Lublin in Lublin, **2017** - training "Building education programs within the Polish Qualifications Framework at levels 6-8" organized by the Institute for the

	Development of Higher Education, **2016** - training "Preparing education programs and learning outcomes in accordance with the National Qualifications Framework and current legal regulations" organized by Optima Center for the Development and Training of Personnel, **2013** - training and workshop series "Scientist in business - training and workshop series for employees of the R&D sector" implemented by INVESTIN Sp. Z o.o. in partnership with Assign Clinical Research Sp. z o.o. **2010** - training "The importance of scientific research and R&D for the economy" as part of the project "Transfer of knowledge and technology as a chance for the economic development of Poland". The aim of the project was to increase the awareness of employees of research and development units about the benefits of cooperation with enterprises and commercialization of research results. The project was carried out by the John Paul II Catholic University of Lublin in partnership with the Center for Innovation and Technology Transfer of the Lublin Science and Technology Park co-financed by the European Union European Social Fund **2010** - training "How to obtain a research grant - practical tips on participation in the 7th EU Framework Program" organized by the Regional Contact Point for Research Programs of the European Union in Lublin **2009-2010** - a series of trainings as part of the project "Promotion of Science as a chance for Lublin - Science in business". The aim of the project was to raise the qualifications of scientific and scientific-didactic employees of universities in the field of modern media communication methods, scientific marketing and creating and running spin off/out companies. The project is implemented with the support of the European Social Fund. Andrzej Polski, Agnieszka A. Kaczor, Karolina Sobotka-Polska and Monika Pitucha "From synthesis and spectral analysis to molecular modeling – multidimensional teaching of medicinal chemistry: aspirin as an example" (**Pharmaceutical Education**). Indian Journal of Pharmaceutical Education and Research 49(2) 2015. **Didactic publication** - proposed exercise for pharmacy students. review of the textbook entitled "Basics of classical quantitative analysis with elements of electroanalytical methods for first-year pharmacy students" published by the Silesian Medical University Publishing House in Katowice **2018/2019**- participation in the ERASMUS+ program - STA didactic trip in the academic year 2018/2019. The visit was carried out within the framework of the Erasmus+ bilateral agreement on the mobility of teaching staff signed between the Medical University of Lublin (PL LUBLINO5) and the Ovidius University in Constanta, Romania (Agreement No.

	11/2017/STA).
Research grants	**Statutory activity (project manager):** **2012-2016** - Synthesis, structural and antimicrobial studies of new pyrazolinone derivatives **2017-2019** - Synthesis, structural and biological studies of new complexes of thiosemicarbazide, 1,2,4-triazole and pyrazole with selected transition metal ions **2020-2022** - Search for anticancer activity among thiosemicarbazide derivatives and its heterocyclic analogues **2023-2025** - Synthesis and study of anticancer activity and molecular mechanisms of action of nitrogen organic compounds **2021** - Research project "Search for metabolic and peptidomic markers of plant and animal food ingredients resistant to technological processes" financed by the National Science Centre - project contractor 2012 - XAS study of copper complexes with novel 1,2,4-triazole-3-thione and 1,2,4-triazole-3-urea ligands-potent inhibitors of enzyme and RNA-dependent DNA polymerase. Proposal I-20110121 EC – project contractor **2014-2015** - Research project carried out under a confidentiality agreement of 25.02.2013 concluded between USP Life Sciences and the Medical University of Lublin. Project title: "Obtaining medicinal substances based on pyrazole, applicable in the therapy and prevention of tuberculosis". Function: scientific leader of the project **HQMedEd Project** - High Quality Medical Education - Integrated Development Programs of the Medical University of Lublin Operational Program Knowledge Education Development 2014 - 2020, Priority Axis III. Higher education for economy and development, Measure 3.5 Comprehensive programs of higher education institutions Project co-financed by the European Union from the European Social Fund. Project no. POWR.03.05.00-00-Z023/17. Implementation of task 4 Ph.D. Students UP! - Implementation of "Interdisciplinary doctoral studies in the field of pharmaceutical and biomedical sciences" at the Faculty of Pharmacy with the Department of Medical Analytics. Function: head, member of the team responsible for preparing the education program and for the quality of education, **NCBiR Project:** "Modern pharmacy. Interdisciplinary doctoral studies in the field of drug research". Funding agreement number: POWR.03.02.00-00-I015/16 Operational Programme Knowledge Education Development. Co-financed by the European Social Fund under the Operational Programme Knowledge Education Development, Priority Axis III Higher education for economy and development, Measure 3.2 Doctoral studies. Project implementation period: 1 September 2017 – 28 February 2022. Function: manager, member of the team responsible for preparing the education

	programme and for the quality of education, **2017** - Participant of the conference organised within the ORPHEUS organisation. This is the Organisation of Doctoral Education in the field of Biomedicine and Health Sciences in the European System. ORPHEUS aims to protect the doctorate as a scientific degree by supporting universities, faculties, students and their superiors, through quality assurance mechanisms, promotion of best practices, professional development and training. "Interdisciplinary character of doctoral studies at medical University of Lublin" 12th ORPHEUS Conference PhD Training in Health Sciences and Biomedicine form the Interdisciplinary Perspective, Klaipeda, Lithuania organized under the patronage of the Organization for PhD Education in Biomedicine and Health Science and European System(ORPHEUS) by the Faculty of Health Sciences at the Klaipeda University, **2018**- Participant of the conference organized by ORPHEUS - Organization of Doctoral Education in Biomedicine and Health Sciences in the European System. ORPHEUS aims to protect the doctorate as a scientific degree by supporting universities, faculties, students and their supervisors, through quality assurance mechanisms, promotion of best practices, professional development and training. "Characteristic of doctoral studies at medical University of Lublin" ORPHEUS Conference 2018, Reykjavik, University of Iceland School of Health Sciences.
Cross-cutting skills *	**2019-2022** Completed training cycle "Coauching - group cooperation workshops" and individual session as part of the project "HQMedEd - High QualityMeddicalEducation - Integrated Development Programs of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.5. Comprehensive programs of higher education institutions. Project co-financed by the European Union from the European Social Fund.
Signature	

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Agnieszka Bojarska-Junak
Academic degree/title	PhD degree of DSc (habilitation)
Affiliation	Chair and Department of Clinical Immunology Molecular Biology Unit Medical University of Lublin, Poland
Scientific discipline	Medical sciences
The course (conducted at the Doctoral School)	**Modern immunological methods used in diagnostics, molecular biology, modern imaging diagnostic methods**
Qualifications and competencies for training in the subject of education	She holds a Master's degree, degree of PhD (doctorate), and the degree of DSc (habilitation) Specialization in laboratory medical immunology An academic teacher employed as a university professor in a research and teaching group. She conducts scientific activities. She also participates in the education of students and doctoral students
Publications thematically related to the subject of the course	1. Chocholska S, Zarobkiewicz M, Szymańska A, Lehman N, Woś J, **Bojarska-Junak A.** Prognostic Value of the miR-17~92 Cluster in Chronic Lymphocytic Leukemia. Int J Mol Sci. 2023 Jan 15;24(2):1705. doi: 10.3390/ijms24021705. 2. **Bojarska-Junak A**, Kowalska W, Chocholska S, Szymańska A, Tomczak W, Zarobkiewicz MK, Roliński J. Prognostic Potential of Galectin-9 mRNA Expression in Chronic Lymphocytic Leukemia. Cancers (Basel). 2023 Nov 11;15(22):5370. doi: 10.3390/cancers15225370. 3. Woś J, Szymańska A, Lehman N, Chocholska S, Zarobkiewicz M, Pożarowski P, **Bojarska-Junak A.** Can Galectin-3 Be a Novel Biomarker in Chronic Lymphocytic Leukemia? Cells. 2023 Dec 22;13(1):30. doi: 10.3390/cells13010030. 4. Zarobkiewicz MK, Lehman N, Kowalska W, Dąbrowska I, **Bojarska-Junak A**. Expression of CD226 on γδ T cells is lower in advanced chronic lymphocytic leukemia and correlates with IgA, IgG and LDH levels. Adv Clin Exp Med. 2024 May 31. doi: 10.17219/acem/186335. 5. Frankowska K, Zarobkiewicz M, Dąbrowska I, **Bojarska-Junak A**. Tumor infiltrating lymphocytes and radiological picture of the tumor. Med Oncol. 2023 May 13;40(6):176. doi: 10.1007/s12032-023-02036-3.

	6. Lehman N, Kowalska W, Zarobkiewicz M, Mazurek M, Mrozowska K, **Bojarska-Junak A**, Rola R. Pro- vs. Anti-Inflammatory Features of Monocyte Subsets in Glioma Patients. Int J Mol Sci. 2023 Jan 18;24(3):1879. doi: 10.3390/ijms24031879. 7. Chocholska S, Zarobkiewicz M, Szymańska A, Lehman N, Woś J, **Bojarska-Junak A.** Prognostic Value of the miR-17~92 Cluster in Chronic Lymphocytic Leukemia. Int J Mol Sci. 2023 Jan 15;24(2):1705. doi: 10.3390/ijms24021705. 8. Zarobkiewicz MK, **Bojarska-Junak AA**. The Mysterious Actor-γδ T Lymphocytes in Chronic Lymphocytic Leukaemia (CLL). Cells. 2022 Feb 14;11(4):661. doi: 10.3390/cells11040661. 9. Wojciechowska A, Bregier Jarzębowska R, Komarnicka UK, Kozieł S, Szuster Ciesielska A, Sztandera Tymoczek M, Jarząb A, Staszak Z, Witkowska D, **Bojarska Junak A**, Jezierska J. Isothiocyanate l-argininato copper(II) complexes - Solution structure, DNA interaction, anticancer and antimicrobial activity. Chem Biol Interact. 2021 Oct 1;348:109636. doi: 10.1016/j.cbi.2021.109636. 10. Zarobkiewicz MK, Wawryk-Gawda E, Kowalska W, Janiszewska M, **Bojarska-Junak A.** γδ T Lymphocytes in Asthma: a Complicated Picture. Arch Immunol Ther Exp (Warsz). 2021 Mar 4;69(1):4. doi: 10.1007/s00005-021-00608-7.
Professional achievements and professional activity in the subject of training	• authorship or co-authorship of scientific articles • She is the author/co-author of over 180 original works. The results of her research have also been presented in more than 226 conference reports. The total Impact Factor (based on Journal Citation Reports) is: 285.954. The Hirsch index is 21. Promoter of 13 master's theses and 5 doctoral theses. She has reviewed numerous scientific papers for international journals in the Journal Citation Reports database with IF: *Frontiers in Immunology, Cell Communication & Signaling, Molecules, Journal of Clinical Medicine, International Journal of Molecular Sciences, Journal of Immunology Research, Medical Oncology, Oncology Letters, Onco, Advances in Clinical and Experimental Medicine, International Journal of Oncology, Processes, Experimental and Therapeutic Medicine, Translational Cancer Research, Diseases, Nutrients, Cancers, Biomedicines*. She was a reviewer of 4 doctoral dissertations, several master's thesis and 2 projects of the National Science Centre (within the OPUS). She was a member of the Expert Team evaluating proposals for research projects submitted to NCN calls (years 2014-2016). • managing scientific projects, research projects and participation in the implementation of these projects; • acting as a coordinator of the subject immunology, immunopathology with immunodiagnostics and promoter and reviewer of diploma theses; • conducting didactic classes in a foreign language • care of the student scientific socjety • Review Editor for T Cell Biology; Frontiers in Immunology. Topical Advisory Panel Member and Collection Editor of Cells. Collection Editor of Special Issue "Trends and Advances in Tumor Immunology", Cells. Guest Editor of Special Issue "Immune Inhibitory Mechanisms and New Insights into Ovarian Cancer

	Treatment" Biomedicines. Review Editor for T Cell Biology; Frontiers in Immunology • Her work also includes several close collaborations with other research groups, e.g. from the Department of Virology and Immunology, Institute of Biological Sciences, Maria Curie-Skłodowska University and the Laboratory of Genetics and Epigenetics of Human Diseases, Department of Experimental Therapy, Hirszfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.
Research grants	1. Tγδ lymphocyte variability in type II diabetes and their therapeutic potential. [KN/SP/570637/2023] Project leader at UML. 2. Characteristics and functioning of Tγδ lymphocytes and iNKT cells in the pathogenesis of glioblastoma. Project leader at UML 3. The principal investigator in the 2 projects "The role of NKT cells in the pathogenesis of chronic lymphocytic leukemia. The assessment of their usefulness as a prognostic factor" [NN402439139] (MNiSW/NCN) and „The Role of Members Tumor Necrosis Factor Family Receptors and its Ligands in biology of B-cell Chronic Lymphocytic Leukaemia" (MNiSW). 4. Currently, he is the principal investigator supervisor in the PRELUDIUM research project: Interaction between Tγδ lymphocytes and M-MDSC cells in the pathogenesis of chronic lymphocytic leukemia. [2019/35/N/NZ6/02973]
Cross-cutting skills *	critical thinking communication skills and ability to work in a team working under pressure intrinsic motivation making reasoned decisions
Signature	Agnieszka Bojarska-Junak

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Emilia Fornal
Academic degree/title	Professor
Affiliation	Department of Bioanalytics
Scientific discipline	Chemical sciences Medical sciences (act on higher education 2.0)
The course (conducted at the Doctoral School)	Faculty Block C - INNOVATION IN DIETETICS RESEARCH
Qualifications and competencies for training in the subject of education	Prof. Emilia Fornal is an analytical chemist, an expert in liquid chromatography and mass spectrometry, a coordinator of the undergraduate and graduate studies in dietetics (since 2021). After obtaining a doctoral degree in chemical sciences at the Maria Curie-Skłodowska University in Lublin, she completed two postdoctoral fellowships: a one-year research training at the Center National de la Recherche Scientifique (CNRS) in Gif-sur-Yvette, France, and a two-year Marie Curie Industry Host Fellowship at GlaxoSmithKline Research and Development (GSK R&D), Stevenage, UK. She obtained the degree of doctor habilitated in chemical sciences at the Faculty of Chemistry of the Nicolaus Copernicus University in Toruń. She completed postgraduate studies in research project management and public relations in scientific research. She participated in a series of trainings and internships under the project of the National Center for Research and Development SIMS - management of research infrastructure carried out at the National Center for Research and Development (Warsaw), Max-Planck-Gesellschaft Institute (Dresden, Germany) Fraunhofer Institute (Leipzig, Germany), Dresden University of Technology (Dresden, Germany) and IBM TJ Watson Research (Yorktown Heights, NY, USA), and in a research training at the Mass Spectrometry Laboratory of Stanford University (Stanford, CA, USA). Since 2016 she has worked at the Medical University of Lublin, currently at the Department of Bioanalytics. She is the Vice-Dean of the Faculty of Biomedicine and the Head of the Department of Dietetics and Bioanalytics. She is a member of the American Society of Mass Spectrometry (ASMS), the Polish Society of Mass Spectrometry and the Polish Chemical Society. Her research focuses on liquid chromatography and mass spectrometry applications in medicine, pharmacy and food sciences. She has extensive experience in the identification of new psychoactive substances, metabolomic and protemic analyses, and food and drug metabolism studies.

Publications thematically related to the subject of the course	• Oilseed proteins - properties and application as a food ingredient. [AUT.] KLAUDIA KOTECKA-MAJCHRZAK, AGATA SUMARA, EMILIA FORNAL, [AUT. KORESP.] MAGDALENA MONTOWSKA. *Trends Food Sci. Technol.* 2020 vol. 106 s. 160-170, bibliogr. poz. 97. DOI: 10.1016/j.tifs.2020.10.004 ✕ • Peptide markers for distinguishing guinea fowl meat from that of other species using liquid chromatography-mass spectrometry. [AUT.] ANNA STACHNIUK, AGATA SUMARA, MAGDALENA MONTOWSKA, [AUT. KORESP.] EMILIA FORNAL. *Food Chem.* [online] 2021 vol. 345 [art. nr] 128810, s. 1-35, bibliogr. poz. 40, [przeglądany 7 grudnia 2020]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814620326728. DOI: 10.1016/j.foodchem.2020.128810 • Liquid chromatography-mass spectrometry bottom-up proteomic methods in animal species analysis of processed meat for food authentication and the detection of adulterations. [AUT.] ANNA STACHNIUK, AGATA SUMARA, MAGDALENA MONTOWSKA, [AUT. KORESP.] EMILIA FORNAL. *Mass Spectrom. Rev.* 2021 vol. 40 nr 1 s. 3-30, bibliogr. poz. 66. DOI: 10.1002/mas.21605 • Pork liver tissue-specific peptide markers for food authenticity testing and adulteration detections. [AUT. KORESP.] ANNA STACHNIUK, [AUT.] ALICJA TRZPIL, ANNA KOZUB, MAGDALENA MONTOWSKA, EMILIA FORNAL. *Food Chem.* [online] 2023 vol. 405, Part B [art. nr] 135013, s. 1-10, bibliogr. poz. 40, [przeglądany 25 listopada 2022]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814622029752?via%3Dihub. DOI: 10.1016/j.foodchem.2022.135013 • Lipidomic characteristics of three edible cold-pressed oils by LC/Q-TOF for simple quality and authenticity assurance. [AUT.] ANNA KOZUB, [AUT. KORESP.] HANNA NIKOLAICHUK, [AUT.] KACPER PRZYKAZA, JOLANTA TOMASZEWSKA-GRAŚ, EMILIA FORNAL. *Food Chem.* [online] 2023 vol. 415 [art. nr] 135761, s. 1-19, bibliogr. poz. 39, [przeglądany 2 marca 2023]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814623003783. DOI: 10.1016/j.foodchem.2023.135761 • Heat-stable peptide markers specific to rabbit and chicken liver tissue for meat product authentication testing. [AUT. KORESP.] ANNA STACHNIUK, [AUT.] ALICJA TRZPIL, MAGDALENA MONTOWSKA, EMILIA FORNAL. *Food Chem.* [online] 2023 vol. 424 [art. nr] 136432, s. 1-12, bibliogr. poz. 40, [przeglądany 1 czerwca 2023]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814623010506?via%3Dihub. DOI: 10.1016/j.foodchem.2023.136432 • Absolute quantification of targeted rabbit liver- and meat tissue-specific peptide markers in highly processed food products. [AUT. KORESP.] ANNA STACHNIUK, [AUT.] ALICJA TRZPIL, RENATA CZECZKO, ŁUKASZ NOWICKI, MICHALINA ZIOMKOWSKA, EMILIA FORNAL. *Food Chem.* [online] 2024 vol. 438 [art. nr] 138069, s. 1-9, bibliogr. poz. 35, [przeglądany 30 listopada 2023]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814623026870?via%3Dihub. DOI: 10.1016/j.foodchem.2023.138069 • Comparative analysis of the *longissimus* muscle proteome of European wild boar and domestic pig in response to thermal processing. [AUT. KORESP.] MAGDALENA MONTOWSKA, [AUT.] NATALIA KASAŁKA-CZARNA, AGATA SUMARA, EMILIA FORNAL. *Food Chem.* [online] 2024 vol. 456 [art. nr] 139871, s. 1-12, bibliogr. poz. 44, [przeglądany 11 czerwca 2024]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814624015218. DOI: 10.1016/j.foodchem.2024.139871 • LC-QTOF-MS identification of rabbit-specific peptides for authenticating the species composition of meat products. [AUT.] ANNA STACHNIUK, AGATA SUMARA, MAGDALENA MONTOWSKA, [AUT. KORESP.] EMILIA FORNAL. *Food Chem.*

	[online] 2020 vol. 329 [art. nr] 127185, s. 1-11, bibliogr. poz. 27, [przeglądany 3 czerwca 2020]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0308814620310475. DOI: 10.1016/j.foodchem.2020.127185 • Newly marketed seed oils. What we can learn from the current status of authentication of edible oils. [AUT.] KACPER PRZYKAZA, HANNA NIKOLAICHUK, ANNA KOZUB, JOLANTA TOMASZEWSKA-GRAS, ŽELJKA PERŠURIĆ, SANDRA KRALJEVIĆ PAVELIĆ, [AUT. KORESP.] EMILIA FORNAL. *Food Control* [online] 2021 vol. 130 [art. nr] 108349, s. 1-13, bibliogr. poz. 136, [przeglądany 29 czerwca 2021]. Dostępny w: https://www.sciencedirect.com/science/article/abs/pii/S0956713521004874?via%3Dihub. DOI: 10.1016/j.foodcont.2021.108349 • Absolute quantification of targeted meat and allergenic protein additive peptide markers in meat products. [AUT. KORESP.] MAGDALENA MONTOWSKA, [AUT.] EMILIA FORNAL. *Food Chem.* 2019 vol. 274 s. 857-864, bibliogr. poz. 28. DOI: 10.1016/j.foodchem.2018.08.131 • Species-specific peptide-based liquid chromatography–mass spectrometry monitoring of three poultry species in processed meat products. [AUT. KORESP.] EMILIA FORNAL, [AUT.] MAGDALENA MONTOWSKA. *Food Chem.* 2019 vol. 283 s. 489-498, bibliogr. poz. 27. DOI: 10.1016/j.foodchem.2019.01.074 • Nutritional value, protein and peptide composition of edible cricket powders. [AUT.] MAGDALENA MONTOWSKA, [AUT. KORESP.] PRZEMYSŁAW Ł. KOWALCZEWSKI, [AUT.] IGA RYBICKA, EMILIA FORNAL. *Food Chem.* 2019 vol. 289 s. 130-138, bibliogr. poz. 43. DOI: 10.1016/j.foodchem.2019.03.062 • Dissecting ubiquitylation and DNA damage response pathways in the yeast *Saccharomyces cerevisiae* using a proteome-wide approach. [AUT. KORESP.] EWA BŁASZCZAK, [AUT.] EMELINE PASQUIER, GAËLLE LE DEZ, ADRIAN ODRZYWOLSKI, NATALIA LAZAREWICZ, AUDREY BROSSARD, EMILIA FORNAL, PIOTR MOSKALEK, [AUT. KORESP.] ROBERT WYSOCKI, GWENAËL RABUT. *Mol. Cell. Proteomics* [online] 2024 vol. 23 nr 1 [art. nr] 100695, s. 1-14, bibliogr. poz. 100, [przeglądany 19 stycznia 2024]. Dostępny w: https://www.mcponline.org/article/S1535-9476(23)00206-2/fulltext. DOI: 10.1016/j.mcpro.2023.100695 • Discovery of novel arylpiperazine-based DA/5-HT modulators as potential antipsychotic agents - design, synthesis, structural studies and pharmacological profiling. [AUT. KORESP.] PIOTR STĘPNICKI, [AUT.] KATARZYNA M. TARGOWSKA-DUDA, ANTÓN L. MARTÍNEZ, AGATA ZIĘBA, OLGA WRONIKOWSKA-DENYSIUK, MARTYNA Z. WRÓBEL, AGATA BARTYZEL, ALICJA TRZPIL, TOMASZ M. WRÓBEL, ANDRZEJ CHODKOWSKI, KAROLINA MIRECKA, TADEUSZ KARCZ, KATARZYNA SZCZEPAŃSKA, MARÍA I. LOZA, BARBARA BUDZYŃSKA, JADWIGA TURŁO, JADWIGA HANDZLIK, EMILIA FORNAL, EWA POLESZAK, MARIÁN CASTRO, [AUT. KORESP.] AGNIESZK A. KACZOR. *Eur. J. Med. Chem.* [online] 2023 vol. 252 [art. nr] 115285, s. 1-18, bibliogr. poz. 68, [przeglądany 23 marca 2023]. Dostępny w: https://www.sciencedirect.com/science/article/pii/S0223523423002519. DOI: 10.1016/j.ejmech.2023.115285 • The impact of flavonols on cardiovascular risk. [AUT. KORESP.] JOANNA POPIOŁEK-KALISZ, [AUT.] EMILIA FORNAL. *Nutrients* [online] 2022 vol. 14 nr 9 [art. nr] 1973, s. 1-14, bibliogr. poz. 58, [przeglądany 9 maja 2022]. Dostępny w: https://www.mdpi.com/2072-6643/14/9/1973. DOI: 10.3390/nu14091973 • Dietary isorhamnetin intake is associated with lower blood pressure in coronary artery disease patients. [AUT. KORESP.] JOANNA POPIOŁEK-KALISZ, [AUT.] PIOTR BŁASZCZAK, EMILIA FORNAL. *Nutrients* [online] 2022 vol. 14 nr 21 [art. nr] 4586, s. 1-9, bibliogr. poz. 34, [przeglądany 4 listopada 2022]. Dostępny w:

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	• LC-QTOF-MS evaluation of rabbit-specific peptide markers for meat quantitation. [AUT. KORESP.] ANNA STACHNIUK, [AUT.] ANNA KOZUB, RENATA CZECZKO, MAGDALENA MONTOWSKA, EMILIA FORNAL. *J. Food. Drug Anal.* [online] 2022 vol. 30 nr 2 [art. nr] 4, s. 222-233, bibliogr. poz. 24, [przeglądany 20 czerwca 2022]. Dostępny w; https://www.jfda-online.com/journal/vol30/iss2/4/. DOI: 10.38212/2224-6614.3403 ✕ • Differential scanning calorimetry for authentication of edible fats and oils - What can we learn from the past to face the current challenges?. [AUT.] MAHBUBA ISLAM, LILIANA BEŁKOWSKA, PIOTR KONIECZNY, EMILIA FORNAL, [AUT. KORESP.] JOLANTA TOMASZEWSKA-GRAS. *J. Food. Drug Anal.* [online] 2022 vol. 30 nr 2 s. 185-201, bibliogr. poz. 108, [przeglądany 8 listopada 2022]. Dostępny w: https://www.jfda-online.com/journal/vol30/iss2/2/. DOI: 10.38212/2224-6614.3402 • LC-Q-TOF-MS/MS identification of specific non-meat proteins and peptides in beef burgers. [AUT. KORESP.] BEATA MIKOŁAJCZAK, [AUT.] EMILIA FORNAL, MAGDALENA MONTOWSKA. *Molecules* [online] 2019 vol. 24 nr 1 [art. nr] 18, s. 1-13, bibliogr. poz. 29, [przeglądany 21 grudnia 2018]. Dostępny w: https://www.mdpi.com/1420-3049/24/1/18. DOI: 10.3390/molecules24010018 ✕ • Targeted and untargeted LC-MS polyphenolic profiling and chemometric analysis of propolis from different regions of Croatia. [AUT.] LARA SAFTIĆ, ŽELIJKA PERŠURIĆ, EMILIA FORNAL, TOMISLAV PAVLEŠIĆ, [AUT. KORESP.] SANDRA KRALJEVIĆ PAVELIĆ. *J. Pharm. Biomed. Anal.* 2019 vol. 165 s. 162-172, bibliogr. poz. 24. DOI: 10.1016/j.jpba.2018.11.061 ✕ • Identification of sunflower, rapeseed, flaxseed and sesame seed oil metabolomic markers as a potential tool for oil authentication and detecting adulterations. [AUT.] AGATA SUMARA, ANNA STACHNIUK, MARTA OLECH, RENATA NOWAK, MAGDALENA MONTOWSKA, [AUT. KORESP.] EMILIA FORNAL. *PLoS One* [online] 2023 vol. 18 nr 4 [art. nr] e0284599, s. 1-15, bibliogr. poz. 45, [przeglądany 21 kwietnia 2023]. Dostępny w: https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0284599. DOI: 10.1371/journal.pone.0284599 ✕
Professional achievements and professional activity in the subject of training	Patents • Patent. Poland, No. 240491. A kit for detecting and identifying oilseed plant seeds, particularly black cumin and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly black cumin and its by-products in food products, and the use of peptides included in the kit as markers for detecting oilseed plant seeds, particularly black cumin and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: 433103 dated 28.02.2020. Patent granted: 19.04.2022 WUP 16/22. • Patent. Poland, No. 240906. A method for detecting and identifying rabbit meat in food products, a kit for detecting and identifying rabbit meat in food products, and its application. Medical University of Lublin, Lublin, PL, University of Life Sciences in Poznań, Poznań, PL. Inventors: [AUT.] EMILIA FORNAL, ANNA STACHNIUK, MAGDALENA MONTOWSKA, AGATA SUMARA. Application No.: P.432756 dated 08.03.2021. Patent granted: 05.07.2022 WUP 19/22. • Patent. Poland, No. 242534. A kit for detecting and identifying oilseed plant seeds, particularly coconut (Cocos nucifera L) and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly coconut (Cocos nucifera L) and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA.

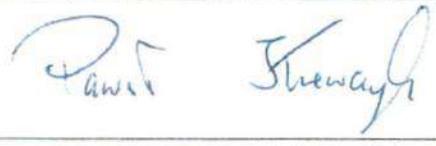
	Application No.: P.439960 dated 10.06.2020. Patent granted: 06.03.2023 WUP 10/23. • Patent. Poland, No. 242306. A kit for detecting and identifying oilseed plant seeds, particularly pumpkin and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly pumpkin and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439953 dated 28.02.2020. Patent granted: 06.02.2023 WUP 06/23. • Patent. Poland, No. 242307. A kit for detecting and identifying oilseed plant seeds, particularly rapeseed (Brassica napus L.) and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly rapeseed (Brassica napus L.) and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439954 dated 28.02.2020. Patent granted: 06.02.2023 WUP 06/23. • Patent. Poland, No. 242308. A kit for detecting and identifying oilseed plant seeds, particularly hemp and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly hemp and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439962 dated 28.02.2020. Patent granted: 06.02.2023 WUP 06/23. • Patent. Poland, No. 242538. A kit for detecting and identifying oilseed plant seeds, particularly milk thistle (Silybum marianum L.) and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly milk thistle (Silybum marianum L.) and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439968 dated 28.02.2020. Patent granted: 06.03.2023 WUP 10/23. • Patent. Poland, No. 242537. A kit for detecting and identifying oilseed plant seeds, particularly sunflower and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly sunflower and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439966 dated 28.02.2020. Patent granted: 06.03.2023 WUP 10/23. • Patent. Poland, No. 242536. A kit for detecting and identifying oilseed plant seeds, particularly sesame and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly sesame and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439964 dated 28.02.2020. Patent granted: 06.03.2023 WUP 10/23. • Patent. Poland, No. 242535. A kit for detecting and identifying oilseed plant seeds, particularly flax (Linum usitatissimum L.) and its by-products in food products, and a method for detecting and identifying oilseed plant seeds, particularly flax (Linum usitatissimum L.) and its by-products in food products. University of Life Sciences in Poznań, Poznań, PL, Medical University of Lublin, Lublin, PL. Inventors: [AUT.] MAGDALENA MONTOWSKA, KLAUDIA KOTECKA-MAJCHRZAK, EMILIA FORNAL, AGATA SUMARA. Application No.: P.439963 dated 28.02.2020. Patent granted: 06.03.2023 WUP 10/23.

Research grants	• NCN OPUS, Metabolomic and peptidomic marker discovery of plant and animal origin food components resistant to technological processes, funded by National Science Centre, project no. 2017/25/B/NZ9/02000, 2018-2022 • NCN OPUS, Identification of lipidomic biomarkers for recognition of the autheticity of edible oils supported by DSC profiling and chemometrics, funded by National Science Centre, project no. 2018/31/B/NZ9/02762, 2019-2023 • NCN OPUS, Effect of the model bread dough supplementation with selected phenolic acids on the structure of gluten proteins, funded by National Science Centre, project no. 2019/35/B/NZ9/02854, 2020-2024 • NCN OPUS, Effect of glyphosate on the biological methane oxidation in agricultural soils, funded by National Science Centre, project no. 2021/41/B/NZ9/03130, 2022-2025 • NCBR TANGO, Development of an analyzer enabling the detection and identification of meat and edible oils species, funded by National Centre for Research and Development, project no. TANGO-IV-C/0003/2019, 2020-2023 • MEiN targeted subsidy, Mass spectrometry for precision medicine and modern pharmacy, funded by Ministry of Education and Science, project no. 7224/IA/SP/2021, 2021-2022 • MEiN Diamond Grant, Metabolomic and proteomic studies based on liquid chromatography coupled with mass spectrometry to assess the effects of caffeine and topiramate and their interactions in a model of pentetrazol seizures in zebrafish larvae, funded by Ministry of Education and Science, project no. 0088/DIA/2020/49, 2020-2024
Cross-cutting skills *	Critical Thinking and Problem Solving. The ability to analyze complex issues, evaluate evidence, and develop well-reasoned conclusions. Collaboration and Teamwork. Working effectively with others, including interdisciplinary teams, to achieve common goals in both teaching and research settings. Communication Skills. Proficiency in both written and oral communication for presenting research findings, teaching concepts clearly, and engaging with diverse audiences. Technology and Information Literacy. Using technology to acquire, evaluate, and share information and develop new technologies. Adaptability and Flexibility. The ability to adapt to new challenges and changing environments for staying current with evolving academic and research landscapes. Ethical Reasoning and Integrity. Upholding ethical standards and integrity in research and teaching practices to maintaining trust and credibility. Lifelong Learning and Self-Development. Commitment to continuous learning and self-improvement to stay updated with the latest advancements in research field of interest. Leadership. Ability to inspire and motivate others, manage teams, make decisions and communicate effectively.
Signature	prof. dr hab. chem. Emilia Fornal Kierownik Katedry Dietetyki i Bioanalityki

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Paweł Krawczyk
Academic degree/title	Prof. MD, PhD
Affiliation	Immunology and Genetics Laboratory, Department of Pneumonology, Oncology and Allergology
Scientific discipline	Medical science
The course (conducted at the Doctoral School)	Precision oncology
Qualifications and competencies for training in the subject of education	Specialization in Laboratory Medical Genetics and Laboratory Medical Immunology
Publications thematically related to the subject of the course	1. Transitioning to a personalized approach in molecularly subtyped small-cell lung cancer (SCLC). Anna Grenda, Paweł Krawczyk, Adrian Obara, Łukasz Gajek, Aleksandra 2. Łomża-Łaba, Janusz Milanowski. Int. J. Mol. Sci. 2024; 25(8): 4208, DOI: 10.3390/ijms25084208 (IF=4,9) 3. Pembrolizumab-combination therapy for NSCLC - effectiveness and predictive factors in real-world practice. Magdalena Knetki-Wróblewska, Rafał Dziadziuszko, Tomasz Jankowski, Paweł Krawczyk, Maciej Bryl, Katarzyna Stencel, Anna Wrona, Artur Bandura, Jolanta Smok-Kalwat, Jolanta Rok-Knapińska, Kinga Szydziak-Zwierzyńska, Krzysztof Rogoziewicz, Grzegorz Czyżewicz, Monika Wójtowicz, Marek Wojtukiewicz, Ewa Kalinka, Piotr J. Wysocki, Mateusz Łobacz, Janusz Milanowski, Hubert Pawlik, Dariusz M. Kowalski, Maciej Krzakowski. Front. Oncol. 2024; 14: 1341084, DOI: 10.3389/fonc.2024.1341084 (IF=3,5) 4. Immunotherapy in non-small-cell lung cancer patients with driver alterations: a new strategy? Natalia Krzyżanowska, Paweł Krawczyk, Kamila Wojas-Krawczyk, Tomasz Kucharczyk, Janusz Milanowski. Cells. 2022; 11(20): 3280, DOI: 10.3390/cells11203280 (IF=6,0) 5. MicroRNA-126 selected with broad-spectrum analysis of microRNAs - a new predictive factor for the effectiveness of immunotherapy or chemoimmunotherapy in advanced NSCLC patients? Anna Grenda, Barbara Kuźnar-Kamińska, Ewa Kalinka, Paweł Krawczyk, Marek Sawicki, Agata

	Filip, Izabela Chmielewska, Małgorzata Frąk, Natalia Krzyżanowska, Janusz Milanowski. Front. Immunol. 2024; 15: 1344858, DOI: 10.3389/fimmu.2024.1344858 (IF=5,7) 6. New genetic technologies in diagnosis and treatment of cancer of unknown primary. Paweł Krawczyk, Jacek Jassem, Kamila Wojas-Krawczyk, [Aut.] Maciej Krzakowski, Rafał Dziadziuszko, Włodzimierz Olszewski. Cancers. 2022; 14(14): 3429, DOI: 10.3390/cancers14143429 (IF=5,2) 7. Interactions between dietary micronutrients, composition of the microbiome and efficacy of immunotherapy in cancer patients. Małgorzata Frąk, Anna Grenda, Paweł Krawczyk, Janusz Milanowski, Ewa Kalinka. Cancers. 2022; 14(22): 5577, DOI: 10.3390/cancers14225577 (IF=5,2) 8. In vitro preliminary study on different anti-PD-1 antibody concentrations on T cells activation. Irena Wieleba, Kamila Wojas-Krawczyk, Izabela Chmielewska, Magdalena Wójcik-Superczyńska, Paweł Krawczyk, Janusz Milanowski. Sci. Rep. 2022; 12: 8370, DOI: 10.1038/s41598-022-12136-1 (IF=4,6) 9. Tumor microenvironment - a short review of cellular and interaction diversity. Aleksandra Bożyk, Kamila Wojas-Krawczyk, Paweł Krawczyk, Janusz Milanowski. Biology. 2022; 11(6): 929, DOI: 10.3390/biology11060929 (IF = 4,2) 10. Exploring immunotherapy efficacy in non-small cell lung cancer patients with BRAF mutations: a case series and literature review. Izabela Chmielewska, Paweł Krawczyk, Magdalena Wójcik-Superczyńska, Anna Grenda, Michał Gil, Katarzyna Stencel, Robert Kieszko, Tomasz Jankowski, Janusz Milanowski. Transl. Lung Cancer Res. 2024; 13(10) 2491-2499, DOI: 10.21037/tlcr-24-253 (IF=4,0)
Professional achievements and professional activity in the subject of training	Head of the Immunology and Genetics Laboratory. Creator of the oncology propaedeutics subject for students of the Department of Medical Analytics, Faculty of Pharmacy, Medical University of Lublin. Several hundred plenary lectures at Polish and foreign scientific conferences on oncology, genetics and immunology and conducting numerous sessions at these conferences. Supervision of numerous master's and doctoral theses and reviews of doctoral theses and habilitation procedures on this subject.
Research grants	1. KBN supervisory project 4PO5B 01914: 01.01.1998-31.12.1999 – main executor. Project title: Role of lymphocyte subpopulation analysis and evaluation of proto-oncogene Bcl-2 and Fas antigen (CD95) expression on mononuclear cells from BAL and peripheral blood and studies of immunoregulatory substances levels in serum and BALF in the diagnosis of sarcoidosis 2. KBN regular project no. 3PO5B 05124. 01.01.2003-31.12.2005 – first executor of the project. Project title: Evaluation of new genetic and immunological prognostic factors in the course of respiratory sarcoidosis 3. KBN regular project no. 2P05D 065 29 (2005-2008) – executor. Project title: The impact of the C151T polymorphism of the CD14 receptor gene on the health and immune response of workers professionally exposed to organic dust and endotoxin. 4. Project "Scientific scholarships for doctoral students working in research teams" Human Capital Operational Program, implemented by the Lublin Voivodeship Self-Government 2014-2015 – team supervisor. 5. NCN competition: SONATA 12, panel: NZ2. Assessment of the molecular profile of lung cancer metastases to the central nervous system – contractor 6. NCBiR LIDER project. Use of liquid biopsy sequencing to develop a

	diagnostic panel for monitoring the response to first-line immunotherapy in patients with non-small cell lung cancer - contractor. 7. Project "Best of the best 4.0." implemented under the Knowledge Education Development Operational Program 2014-2020, co-financed by the European Social Fund. "Genomic profiling using next-generation sequencing in predicting response to chemoimmunotherapy and immunotherapy in patients with non-small cell lung cancer" – principal investigator.
Cross-cutting skills *	critical thinking, innovative thinking, reflective thinking, making informed decisions, communication skills, listening skills, teamwork, self-motivation, perseverance diversity, intercultural understanding, respect for the environment
Signature	

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Paulina Krawiec
Academic degree/title	MD PhD DSc
Affiliation	Department of Paediatrics and Gastroenterology Medical University of Lublin
Scientific discipline	Medical science
The course (conducted at the Doctoral School)	Advances in Medical Science
Qualifications and competencies for training in the subject of education	**Education** 30/11/2023 - Doctor of Science – "Clinical significance of selected inflammatory markers and antimicrobial peptides in inflammatory bowel disease in children" 04/11/2022 – Degree: Specialist in paediatric gastroenterology (The best result of national specialist exam) 10/04/2018 Degree: Specialist in paediatrics 15/12/2016 Degree: Doctor of Philosophy. Thesis: "Selected parameter of iron homeostasis in children with inflammatory bowel disease" 29/06/2011 Degree: Doctor of Medicine **Employment** 01/10/2011 – 31/10/2012 Physician - Medical internship - 1st Military Teaching Hospital with Polyclinic, Lublin 22/11/2012 – 30/09/2016 Resident physician -Department of Paediatrics and Gastroenterology /former name Department of Paediatrics/ - Children's University Hospital, Lublin

	01/10/2016 – 30/09/2018 Physician - Department of Paediatrics and Gastroenterology /former name Department of Paediatrics/ - Children's University Hospital, Lublin 01/10/2018 – present Attending physician - Department of Paediatrics and Gastroenterology /former name Department of Paediatrics/ - Children's University Hospital, Lublin 01/10/2012 – 30/09/2016 Doctoral studies - Department of Paediatrics - 2nd Faculty of Medicine with English Language Division - Medical University of Lublin 01/10/2016-31/01/2019 Teaching and research assistant - Department of Paediatrics and Gastroenterology - Faculty of Medicine - Medical University of Lublin 01/02/2019 – present Assistant Professor - Department of Paediatrics and Gastroenterology - Faculty of Medicine - Medical University of Lublin **Didactic competences** Ability to use modern didactic methods in academic education Conducting didactic classes using low-fidelity medical simulation methods (task training, decision trees, workshops) and high-fidelity simulation, including scenarios involving simulated patients as part of the Practical Clinical Teaching: Paediatrics subject in the 6th year of medical studies for Polish and English-speaking students. Coordinator of the Objective Structured Clinical Examination (OSCE) in paediatrics for English-speaking students 2021-2024. OSCE and miniOSCE examiner in paediatrics for Polish and English-speaking students. Coordinator of the interprofessional faculty "Nutritional treatment in various diseases of children" for students of medicine and dietetics. Co-author of a communication training program for medical students focused on cooperation and exchange of information between future medical professionals developed at the request of the Minister of Health in 2021.

	Author of a scenario of didactic classes based on medical simulation "Procedure with a child with suspected neuroinfection" in 2019 as part of the implementation of Task 3. Students up! Tasks in the form of a project "Hospital of the Future" in the project called "HQMedEd - High Quality Medical Education - Integrated Development Programs of the Medical University of Lublin" POWR.03.05.00-00-Z023/17 co-financed by the European Union under the European Social Fund, Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.5 Comprehensive programs of higher education institutions. The scenario includes a methodological part, information for the person conducting the classes, the technical worker and students, and a role for the simulated patient. Author of the "Practical skills course in paediatrics based on medical simulation" implemented in 2019-2021 as part of the project "MediQ - simulation in medical education - development program of the Medical University of Lublin" POWR.05.03.00-00-0009/15-00 co-financed by the European Union from the European Social Fund under the Operational Program Knowledge Education Development 2014 - 2020, Priority Axis V Support for the health area, Measure 5.3 High quality of education in medical fields. Author of the script for an educational film with the participation of a simulated patient concerning a child's visit to the Hospital Emergency Department and performing differential diagnosis of the most common diseases of developmental age, which was developed for the purposes of teaching the subject Practical Clinical Teaching: Paediatrics in the 6th year of medical studies in the academic year 2019/2020. Author of the script for an educational film with the participation of a simulated patient concerning conducting a medical consultation according to the Calgary-Cambridge Guidelines, which was developed for the purposes of teaching the subject Psychosocial Aspects of Medicine 4 in the 2nd year of medical studies in the academic year 2019/2020. Co-author of the script "Meanders of respiratory infections in children", which was developed for the purposes of teaching the subject Practical Clinical Teaching: Paediatrics in the 6th year of medical studies in 2018.

	Co-author of detailed outlines of didactic classes based on medical simulation in the subject of Practical Clinical Teaching: Paediatrics by Polish-speaking and English-speaking students of the medical faculty. The outlines of classes include, among others, scenarios involving a simulated patient, covering the methodological part, information for the person conducting the classes, technical staff and students, and descriptions of the roles of simulated patients. Participation in the Erasmus+ Teaching Staff Mobility program in order to conduct didactic classes at foreign universities: Katholieke Universiteit Leuven, Belgium from 04 to 08.11.2019. Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto, Portugal from 17 to 21.04.2023. Substantive care for 11 students on internships in paediatrics at the Department of Paediatrics and Gastroenterology of the Medical University of Lublin under the ERASMUS+ program. Tutor in the Tutoring Program implemented for medical students as part of the Psychosocial Aspects of Medicine module from the academic year 2018/2019. Participation in the program "Fundamentals of University Teaching and Tutoring Program", University of Groningen as part of the project "Masters of Didactics" POWR.04.03.00-00-0074/17 co-financed by the European Union from the European Social Fund under the Operational Program Knowledge Education Development 2014-2020, Priority Axis IV. Social innovation and transnational cooperation, Measure 4.3 Transnational cooperation I completed Participation in the program included training and a study visit to the University of Groningen (27-31.01.2020), implementation of three training modules and introduction of the tutoring method to teaching at the Medical University of Lublin. In the summer semester of the academic year 2019/2020, I conducted classes using the tutoring method for medical students as part of the subject Paediatrics. The classes were aimed at supporting exceptionally talented students in shaping their academic skills. Member of the University Team for changes in the standard of education of physicians and dentists and for proposals for organizational and legal changes regulating the work of students in entities performing medical activities (STRIKE

	Standard, Rationalism, Innovation and Competence in Education) in 2022.
Publications thematically related to the subject of the course	1. Pediatric endoscopy in times of pandemic: a nationwide retrospective analysis. Łukasz Dembiński, Urszula Grzybowska-Chlebowczyk, Toporowska-Kowalska Ewa, Jarosław Walkowiak, Beata Gładysiewicz, Maciej Dądalski, Bartosz Korczowski, Elżbieta Czkwianianc, Maciej Zagierski, Elżbieta Jarocka-Cyrta, Anetta Soroczyńska-Wrzyszcz, Tomasz Pytrus, Paulina Krawiec, Aleksandra Banaszkiewicz. J. Infect. Public Health [online] 2024 s. 1-17. DOI: 10.1016/j.jiph.2023.12.023 2. The impact of chronic stress related to COVID-19 on eating behaviors and the risk of obesity in children and adolescents. Iwona Piątkowska-Chmiel, Paulina Krawiec, Karolina Joanna Ziętara, Piotr Pawłowski, Marzena Samardakiewicz, Elżbieta Pac-Kożuchowska, Mariola Herbet. Nutrients [online] 2024 vol. 16 nr 1 [art. nr] 54, s. 1-23. DOI: 10.3390/nu16010054. 3. Sensitization to food and aero-allergens in children with coeliac disease assessed with the use of a multiplex molecular diagnostic technique. Izabela Knyziak-Mędrzycka, Bożena Cukrowska, Wojciech Nazar, Joanna B. Bierła, Kamil Janeczek, Paulina Krawiec, Weronika Gromek, Mariusz Wysokiński, Ewa Konopka, Ilona Trojanowska, Sylwia Smolińska, Emilia Majsiak. J. Clin. Med. [online] 2024 vol. 13 nr 10 [art. nr] 2992, s. 1-11. DOI: 10.3390/jcm13102992. 4. The interplay of oxidative stress and immune dysfunction in Hashimoto's thyroiditis and polycystic ovary syndrome: a comprehensive review. Gabriela Batóg, Anna Dołoto, Ewelina Bąk, Iwona Piątkowska-Chmiel, Paulina Krawiec, Elżbieta Pac-Kożuchowska, Mariola Herbet. Front. Immunol. [online] 2023 vol. 14 [art. nr] 1211231, s. 1-16. DOI: 10.3389/fimmu.2023.1211231 5. Pancreatic involvement in the course of inflammatory bowel disease in children - a multi-center study. Urszula Daniluk, Paulina Krawiec, Elżbieta Pac-Kożuchowska, Łukasz Dembiński, Jan S. Bukowski, Aleksandra Banaszkiewicz, Anna Woźniuk-Kaźmierczak, Elżbieta Czkwianianc, Jan Brylak, Jarosław Walkowiak, Agnieszka Borys-Iwanicka, Anna Kofla-Dłubacz, Tomasz Pytrus, Katarzyna Zdanowicz, Dariusz M. Lebensztejn. J. Clin. Med. [online] 2023 vol. 12 nr 13 [art. nr] 4174, s. 1-20. DOI: 10.3390/jcm12134174 6. Clinical significance of serum elafin in children with inflammatory bowel disease. Paulina Krawiec, Elżbieta Pac-Kożuchowska. Biomedicines. [online] 2022 vol. 10

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	dalszego rozwoju. V Ogólnopolski Zjazd Pediatrycznego Forum Profilaktyki Chorób Cywilizacyjnych. Lublin, 4-5.03.2016r. 29. Ocena gęstości mineralnej kości u dzieci z nieswoistymi zapaleniami jelit. Paulina Krawiec, Agnieszka Mroczkowska-Juchkiewicz, Beata Mełges, Agnieszka Pawłowska-Kamieniak, Katarzyna Kominek, Elżbieta Pac-Kożuchowska. W: XXXIII Zjazd Polskiego Towarzystwa Pediatrycznego. Wrocław, 17-19.09.2015r. Streszczenie s. 101-102. 30. Współistnienie wrzodziejącego zapalenia jelita grubego i ciężkiej postaci celiakii klasycznej u 6-letniego chłopca - opis przypadku. Agnieszka Pawłowska-Kamieniak, Paulina Krawiec, Elżbieta Pac-Kożuchowska, Agnieszka Mroczkowska-Juchkiewicz, Katarzyna Kominek. W: XXXIII Zjazd Polskiego Towarzystwa Pediatrycznego. Wrocław, 17-19.09.2015r. Streszczenie s. 48. 31. Ocena lipidogramu w surowicy krwi pępowinowej noworodków donoszonych w zależności od wybranych czynników. Elżbieta Pac-Kożuchowska, Paulina Krawiec, Anna Rakuś-Kwiatosz, Ewa Winiarska. W: XXXIII Zjazd Polskiego Towarzystwa Pediatrycznego. Wrocław, 17-19.09.2015r. Streszczenie s. 90-91. 32. Zależność pomiędzy badaniem pH-metrycznym przełyku a badaniem endofiberoskopowym krtani u dzieci. Katarzyna Kominek, Elżbieta Pac-Kożuchowska, Paulina Krawiec, Agnieszka Mroczkowska-Juchkiewicz, Agnieszka Pawłowska-Kamieniak, Sylwia Kędzierawska, Grażyna Mielnik-Niedzielska. W: XXXIII Zjazd Polskiego Towarzystwa Pediatrycznego. Wrocław, 17-19.09.2015r. Streszczenie s. 40. 33. Kamica żółciowa - późnym następstwem zespołu hemolityczno-mocznicowego u czteroletniej dziewczynki. Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Katarzyna Kominek, Paulina Krawiec, Beata Mełges, Elżbieta Pac-Kożuchowska. Pediatr. Współcz. 2014 supl. 1 s. 34-35, VIII Ogólnopolski Zjazd Polskiego Towarzystwa Gastroenterologii, Hepatologii i Żywienia Dzieci. Warszawa, 22-24.05.2014r. 34. Bezobjawowy zespół heterotaksji z polisplenizmem u 5-letniego chłopca - opis przypadku. Katarzyna Kominek, Agnieszka Pawłowska, Agnieszka Mroczkowska-Juchkiewicz, Beata Mełges, Paulina Krawiec, Agnieszka Brodzisz, Elżbieta Pac-Kożuchowska. Pediatr. Współcz. 2014 supl. 1 s. 35, VIII Ogólnopolski Zjazd Polskiego Towarzystwa Gastroenterologii,

	Hepatologii i Żywienia Dzieci. Warszawa, 22-24.05.2014r. 35. Od hipertransaminazemii do MPS III A - opis przypadku. Beata Mełges, Paulina Krawiec, Agnieszka Mroczkowska-Juchkiewicz, Agnieszka Pawłowska-Kamieniak, Katarzyna Kominek, Stanisław Skomra, Elżbieta Pac-Kożuchowska. Pediatr. Współcz. 2014 supl. 1 s. 37, VIII Ogólnopolski Zjazd Polskiego Towarzystwa Gastroenterologii, Hepatologii i Żywienia Dzieci. Warszawa, 22-24.05.2014r. 36. Zespół Beana (Bleu Rubber Bleb Nevus Syndrome - BRBNS, zespół gumiastych pęcherzyków znamionowych) rozpoznany w 12 roku życia - opis przypadku. Agnieszka Mroczkowska-Juchkiewicz, Joanna Nurzyńska-Flak, Stanisław Skomra, Agnieszka Pawłowska-Kamieniak, Katarzyna Kominek, Paulina Krawiec, Elżbieta Pac-Kożuchowska. Pediatr. Współcz. 2014 supl. 1 s. 41, VIII Ogólnopolski Zjazd Polskiego Towarzystwa Gastroenterologii, Hepatologii i Żywienia Dzieci. Warszawa, 22-24.05.2014r. 37. Analiza kliniczno-epidemiologiczna zatruć wśród dzieci i młodzieży hospitalizowanych w Klinice Pediatrii UM w Lublinie w latach 2008-2013. Paulina Krawiec, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Katarzyna Kominek, Elżbieta Pac-Kożuchowska. Prz. Pediatr. 2013 vol. 43 supl. 1 s. 44, XXXII Zjazd Polskiego Towarzystwa Pediatrycznego. Kraków, 20-22.06.2013r. 38. Ryzyko wystąpienia powikłań zakrzepowych u dzieci z chorobą Leśniowskiego-Crohna oraz wrzodziejącym zapaleniem jelita grubego. Elżbieta Pac-Kożuchowska, Katarzyna Kominek, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Dorota Gołyska, Beata Mełges, Paulina Krawiec, Robert Piekarski, Iwona Beń-Skowronek. Prz. Pediatr. 2013 vol. 43 supl. 1 s. 14, XXXII Zjazd Polskiego Towarzystwa Pediatrycznego. Kraków, 20-22.06.2013r. 39. Ocena aktywności IL-6 oraz CRP hs u dzieci z chorobą Leśniowskiego-Crohna oraz wrzodziejącym zapaleniem jelita grubego. Katarzyna Kominek, Elżbieta Pac-Kożuchowska, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Dorota Gołyska, Beata Mełges, Paulina Krawiec, Robert Piekarski, Iwona Beń-Skowronek. Prz. Pediatr. 2013 vol. 43 supl. 1 s. 42, XXXII Zjazd Polskiego Towarzystwa Pediatrycznego. Kraków, 20-22.06.2013r. 40. Stężenie homocysteiny u dzieci w zależności od sposobu żywienia i stanu odżywienia. Elżbieta Pac-Kożuchowska, Paulina Krawiec. W: IV Ogólnopolski Zjazd Pediatrycznego Forum Profilaktyki Chorób

	Cywilizacyjnych "Quidquid agis prudenter agas et respice finem... Identyfikacja zagrożeń podstawą współczesnej profilaktyki..." Łódź, 08-09.03.2013r. Streszczenie s. 27. 41. Ocena wybranych mediatorów procesu zapalnego - IL-6 i CRP hs u dzieci z nieswoistymi zapaleniami jelit. Elżbieta Pac-Kożuchowska, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Katarzyna Kominek, Dorota Gołyska, Beata Mełges, Paulina Krawiec, Robert Piekarski, Iwona Beń-Skowronek. W: IV Ogólnopolski Zjazd Pediatrycznego Forum Profilaktyki Chorób Cywilizacyjnych "Quidquid agis prudenter agas et respice finem... Identyfikacja zagrożeń podstawą współczesnej profilaktyki...". Łódź, 08-09.03.2013r. Streszczenie s. 26. 42. Ryzyko zagrożenia miażdżycą u dzieci z nieswoistymi zapaleniami jelit. Elżbieta Pac-Kożuchowska, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Katarzyna Kominek, Dorota Gołyska, Beata Mełges, Paulina Krawiec, Robert Piekarski, Iwona Beń-Skowronek. W: IV Ogólnopolski Zjazd Pediatrycznego Forum Profilaktyki Chorób Cywilizacyjnych "Quidquid agis prudenter agas et respice finem... Identyfikacja zagrożeń podstawą współczesnej profilaktyki...". Łódź, 08-09.03.2013r. Streszczenie s. 10. 43. Analiza celowych zatruć dekstrometorfanem u dzieci hospitalizowanych w latach 2008-2013 w Klinice Pediatrii Uniwersytetu Medycznego w Lublinie. Dorota Gołyska, Agnieszka Mroczkowska-Juchkiewicz, Agnieszka Pawłowska-Kamieniak, Katarzyna Kominek, Beata Mełges, Paulina Krawiec, Elżbieta Pac-Kożuchowska. W: IX Konferencja Naukowa Katedry i Zakładu Higieny "Środowiskowe źródła zagrożeń zdrowotnych". Kazimierz Dolny, 13-15.06.2013r. Streszczenie s. 59. 44. Analiza retrospektywna zatruć marihuaną u dzieci i młodzieży hospitalizowanych w latach 2007-2012 w Klinice Pediatrii Uniwersytetu Medycznego w Lublinie. Beata Mełges, Paulina Krawiec, Dorota Gołyska, Katarzyna Kominek, Agnieszka Pawłowska-Kamieniak, Agnieszka Mroczkowska-Juchkiewicz, Elżbieta Pac-Kożuchowska. W: IX Konferencja Naukowa Katedry i Zakładu Higieny "Środowiskowe źródła zagrożeń zdrowotnych". Kazimierz Dolny, 13-15.06.2013r. Streszczenie s. 60. 45. Zatrucia celowe wśród dzieci i młodzieży jako aktualne zagadnienie medyczno-społeczne. Paulina Krawiec. W: L Sympozjum Studenckich Kół Naukowych Uczelni

	Medycznych. Lublin, 12-13.11.2011r. Streszczenie s. 135. 46. Różny obraz kliniczny celiakii w wieku rozwojowym. Paulina Krawiec. W: L Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 12-13.11.2011r. Streszczenie s. 119. 47. Celiakia - choroba dzieci i ludzi dorosłych. Paulina Krawiec. W: III Lubelski Kongres Studenckich Kół Naukowych TYGIEL 2011- czyli jak rozwijać naukę? Lublin, 21-22.09.2011r. Pod red. Kamila Maciąga, Mirosława Szali s. 54-61, Lublin 2011, Wydawnictwo Politechniki Lubelskiej, ISBN 978-83-62596-43-0. 48. Zatrucie alkoholem jako przyczyna hospitalizacji dzieci i młodzieży w Klinice Pediatrii Uniwersytetu Medycznego w Lublinie. Paulina Krawiec, Monika Miedzwiecka. W: XLIX Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 27-28.11.2010r. Streszczenie s. 66. 49. Zatrucia wśród dzieci i młodzieży - aktualny problem w praktyce pediatrycznej. Monika Miedzwiecka, Paulina Krawiec. W: XLIX Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 27-28.11.2010r. Streszczenie s. 54. 50. Zatrucia wśród dzieci i młodzieży. Paulina Krawiec, Monika Miedzwiecka. W: II Lubelski Kongres Studenckich Kół Naukowych Tygiel 2010 - czyli jak rozwijać naukę? Lublin, 22-23.09.2010r. Pod red. Jacka Cabana i Mirosława Szali s. 185-192, Lublin 2010, Wydawnictwo Politechniki Lubelskiej, ISBN 978-83-62596-04-1. 51. Środowiskowe uwarunkowania nadwagi i otyłości u dzieci lubelskich w wieku 10-12 lat. Paulina Krawiec, Monika Miedzwiecka. W: XLVIII Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 28-29.11.2009r. Streszczenie s. 122. 52. Wpływ stanu odżywienia matek przed ciążą na masę ciała noworodków. Monika Miedzwiecka, Paulina Krawiec. W: XLVIII Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 28-29.11.2009r. Streszczenie s. 111. 53. Zagrożenie miażdżycą w wieku rozwojowym. Monika Miedzwiecka, Paulina Krawiec. W: Lubelski Kongres Studenckich Kół Naukowych Tygiel 2009 - czyli jak rozwijać naukę? Lublin, 23-24.09.2009r. Pod red. Jacka Cabana i Mirosława Szali s. 140-145. 54. Wybrane czynniki ryzyka miażdżycy u dzieci lubelskich w wieku 10-12 lat. Paulina Krawiec, Monika Miedzwiecka. W: XLVII Sympozjum Studenckich Kół Naukowych Uczelni Medycznych. Lublin, 13-14.12.2008r. Streszczenie s. 107.

	Ocena wybranych czynników ryzyka miażdżycy u dzieci lubelskich w wieku 10-12 lat. Paulina Krawiec, Monika Miedzwiecka. W: II Ogólnopolska Konferencja Naukowa "Środowiskowe uwarunkowania i profilaktyka chorób wieku rozwojowego". Kazimierz Dolny, 10-11.10.2008r. Streszczenie s. 134 Invited lectures 1. Ciała obce w przewodzie pokarmowym u dzieci. Paulina Krawiec. Pediatria XXI wieku – aktualne wyzwania. Lublin, 19.04.2024r. 2. Probiotyki w XXI wieku. Fakty i mity. Paulina Krawiec. IX Sympozjum Standardy Gastroenterologiczne, Hepatologiczne i Żywieniowe w Praktyce Lekarza Rodzinnego I Pediatry Instytut Pomnik Centrum Zdrowia Dziecka, Warszawa 17-18 listopada 2023r. 3. Risk of cancer in paediatric-onset inflammatory bowel disease. Paulina Krawiec. International Conference OncoPhD, Lublin 20-22.10.2023r. 4. Zaburzenia mikrobioty jelitowej w nieswoistych zapaleniach jelit. Paulina Krawiec. Pediatria w codziennej praktyce- najczęstsze problemy, aktualne zasady diagnostyki i postępowania. Lublin, 24.04.2021r. 5. Dieta z ograniczeniem FODMAP – nowa moda czy panaceum. Paulina Krawiec, Agnieszka Mroczkowska-Juchkiewicz, Elżbieta Pac-Kożuchowska. VI Ogólnopolska Konferencja Naukowo-Szkoleniowa Lubelskie Dni Promujące Zdrowie „Medyczno-społeczne i prawne aspekty opieki nad dzieckiem" Sesja: Wokół wyzwań żywienia dziecka w zdrowiu i chorobie" Lublin, 05-06.06.2018r. 6. Opis przypadku 7-letniej dziewczynki z zaburzeniami karmienia w ujęciu interdyscyplinarnym. Paulina Krawiec. Warsztaty Sekcji Żywieniowej Polskiego Towarzystwa Gastroenterologii, Hepatologii i Żywienia Dzieci „Assessment and Management for Paediatric Feeding Disorders: Making the Case for Interdisciplinary Management" podczas X Ogólnopolskiego Zjazdu Polskiego Towarzystwa Gastroenterologii, Hepatologii i Żywienia Dzieci. Lublin, 24-26.05.2018r. 7. Lipids profile and inflammatory markers in paediatric inflammatory bowel disease. Paulina Krawiec. International Symposium Dedicated to Memory of Professor Daniel Steinberg (1922-2015): Studies on atherosclerosis in the era of statins – what has changed? Polskie Towarzystwo Badań and Miażdżycą, Warszawa, 24-25.03.2017r.

	8. Ciężka postać wrzodziejącego zapalenia jelita grubego i celiakii u chłopca na diecie wegetariańskiej. Paulina Krawiec. IBD Peds Academy II Edycja. Warszawa, 22-23.04.2016r. 9. Mukopolisacharydoza typu III – trudności diagnostyczne. Paulina Krawiec. Szkoła Lizosomalna. Choroby lizosomalne - konferencja pod kierownictwem naukowym prof. dr hab. n. med. Anny Tylki-Szymańskiej, Lublin, 10.03.2016r. Scholarships 1. Scholarship of the Minister of Education and Science for outstanding young scientists, 29.06.2022. 2. Scholarship from the Own Fund for Scholarships of the Medical University of Lublin for young scientists in the academic year 2019/2020. 3. Scholarship as part of the project "Specialization and Competencies - Development Program of the Medical University of Lublin. Project co-financed by the European Union under the European Social Fund, Human Capital Operational Program 2007-2013. 4. Scholarship from the Own Fund for Scholarships of the Medical University of Lublin for doctoral students in the academic year 2013/2014. 5. Scholarship for the best doctoral students of the Medical University of Lublin 2014/2015, 2015/2016. 6. Scholarship from the entity subsidy for co-financing pro-quality tasks in the years 2012/2013, 2013/2014, 2014/2015, 2015/2016. 7. Scholarship from the Minister of Health for achievements in science for the academic year 2010/2011. 8. Scholarship from the Municipal Scholarship Program of the Mayor of Lublin for exceptionally talented students in the academic year 2010/2011. 9. Scholarship from the Marshal of the Lublin Voivodeship for outstanding results in science 01.10.2010 – 28.02.2011. List of internships and trainings in foreign scientific units 1. Katholieke Universiteit Leuven, Belgium from 04 to 08.11.2019 to conduct didactic classes for students as part of the Erasmus+ Teaching Staff Mobility program.

	2. Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto, Portugal from 17 to 21.04.2023 to conduct didactic classes for students as part of the Erasmus+ Teaching Staff Mobility program. 3. Clinical internship at the Department of Surgery, Gazi University Hospital, Ankara, Turkey from 01 to 31.07.2009 supervisor: Prof. Çağatay Çifter 4. Participation in practical courses abroad organized by the European European Society for Paediatric Gastroenterology, Hepatology and Nutrition, the aim of which was to expand knowledge and skills in the field of pediatric gastroenterology, hepatology and nutrition: – ESPGHAN 5th PETDW International Workshop Therapeutic Digestive Endoscopy in Children, Rome, 26-28/06/2023 – 7th European European Society for Paediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN) IBD Masterclass, Helsinki 24-26.11.2022, – Endoscopy Learning Zone Beginners Session during the 54th Annual Meeting of the European Society for Paediatric Gastroenterology, Hepatology and Nutrition. Copenhagen, 22-25/06/2022, – IBD Course during the 50th Annual Meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition ESPGHAN. Prague, 10-13/05/2017, – IBD Course during the 49th Annual Meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition ESPGHAN. Athens, 25-28/05/2016, – Pediatric Hepatology Summer School 2016. European Society for Pediatric Gastroenterology, Hepatology and Nutrition ESPGHAN. Vysehrad, 27-30/04/2016 5. Participation in study visits and training abroad aimed at improving teaching methods in medical education: – Fundamentals of University Teaching and Tutoring Programme. University of Groningen. 27-31.01.2020. – Training and study visit as part of the "Masters of didactics" project POWR.04.03.00-00-0074/17 co-financed by the European Union from the European Social Fund under the Operational Programme Knowledge Education Development 2014-2020,

	Priority Axis IV. Social innovation and transnational cooperation, Measure 4.3 Transnational cooperation Problem Based Learning introduction workshop. Maastricht University, School of Health Professions Education, 09-11.04.2019. – Training and study visit as part of the project "M-EDukator - a program of continuous development of competences of the teaching staff of the Medical University of Lublin" POWR.03.04-00-D018/16-00 co-financed by the European Social Fund under the Operational Program Knowledge Education Development, Priority Axis III. Higher education for economy and development, Activity: 3.4 Management in higher education institutions. Reviewer of 88 scientific articles prepared for international journals indexed in the Journal Citation Reports (JCR). Supervisor of the master's thesis "Nutritional status and risk of malnutrition in hospitalized children" by Ms. Ewa Kierepka - Student of Dietetics II^0, Faculty of Health Sciences, Medical University of Lublin. The defense of the master's thesis took place on 14.07.2021. Co-supervisor of the doctoral dissertation "The influence of nutritional status and selected biochemical parameters on the results of treatment of non-specific intestinal inflammation in children" by Ms. Magda Łazinek. Second supervisor of the doctoral dissertation "The effectiveness of modern ultrasound techniques, including microflow imaging and elastography, in detecting and characterizing liver parenchymal changes in children, correlation with magnetic resonance imaging and clinical picture" by Ms. Monika Zbroja. Supervisor of the Student Science Club at the Department of Pediatrics and Gastroenterology of the Medical University of Lublin since December 2019. Content supervision of 22 works presented during national and international scientific conferences, 12 of which were awarded and distinguished by the scientific committees of the conferences. Author and co-author of 30 projects during the 14th edition of the Lublin Science Festival.
Research grants	Participation in projects financed by the Medical University of Lublin as part of research tasks from the targeted subsidy of the Ministry of Science and Higher Education for conducting developmental research of young scientists) statutory activities.

	Head of research tasks: – "Selected inflammatory and immunological factors in the pathogenesis of non-specific intestinal inflammation in children" MNmb466 in 2017-2019 – "Assessment of iron metabolism in non-specific intestinal inflammation in children" MNsd466 in 2014-2016 Performer of research tasks: – "Immune dysregulation in non-specific intestinal inflammation in children" DS406 from 2024. – "Immune response disorders and intestinal barrier integrity in inflammatory bowel diseases in developmental age" DS406 in 2021-2023. – "Assessment of selected SNP polymorphisms of the IL-10, IL-6 genes and their receptors as markers of inflammation intensity in correlation with selected bacteria colonizing the gastrointestinal tract in inflammatory bowel diseases in children" DS406 in 2018-2020. – "Non-invasive inflammatory markers in inflammatory bowel diseases in children" DS406 in 2015-2017 – "Assessment of nutritional status and selected inflammatory markers and lipid metabolism parameters in children and adolescents with inflammatory bowel diseases" DS406 in 2012-2014.
Cross-cutting skills *	Critical Thinking Innovative Thinking Reflective Thinking Making Reasoned Decisions Communication Skills Intrinsic Motivation Perseverance Cross-Cultural Understanding Respect for the Environment
Signature	

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Vladyslav Vivcharenko
Academic degree/title	PhD
Affiliation	Department of Tissue Engineering and Regenerative Medicine
Scientific discipline	Medical Sciences
The course (conducted at the Doctoral School)	Advances in Regenerative Medicine
Qualifications and competencies for training in the subject of education	Competencies - ability to transfer knowledge - ability to search, select and assess the credibility of information and support critical thinking and striving for innovation - ability to create favorable conditions for learning - ability to identify and solve problems - continuous self-education and expanding the scope of knowledge Qualifications Education 2013 – 2016 **Biology** Specialization: **Medical biology** Maria Curie-Skłodowska University in Lublin, Faculty of Biology and Biotechnology, Bachelor's degree study; 2016 – 2018 **Biology** Specialization: **Microbiology** Maria Curie-Skłodowska University in Lublin, Faculty of Biology and Biotechnology, Master's degree study; 2016 – 2018 **Pedagogical qualifications entitling** one to practice as a teacher: biology and nature in primary school and biology in secondary school. 2018 – 2022 **Doctoral studies** Discipline: **Pharmaceutical sciences** Medical University of Lublin, Faculty of Pharmacy, Department of Biochemistry and Biotechnology, Doctoral dissertation – monothematic collection of publications entitled: "Agarose-chitosan matrix as a base for the production of hydrogel and foam biomaterials for skin regeneration" 21.02.2022 awarding the academic degree of **doctor of pharmaceutical sciences**
Publications thematically related to the subject of the course	**10 most important publications:** 1. **Vivcharenko V.**, Benko, A., Palka K., Wojcik M., & Przekora A. (2020). Elastic and biodegradable chitosan/agarose film revealing slightly acidic pH for potential applications in

	regenerative medicine as artificial skin graft. International Journal of Biological Macromolecules, 164, 172-183, doi: 10.1016/j.ijbiomac.2020.07.099. 2. **Vivcharenko** V., Wojcik M., & Przekora A. (2020). Cellular response to vitamin C-enriched chitosan/agarose film with potential application as artificial skin substitute for chronic wound treatment. Cells, 9(5), 1185, doi: 10.3390/cells9051185. 3. **Vivcharenko** V., Wojcik M., Palka K., & Przekora A. (2021). Highly porous and superabsorbent biomaterial made of marine-derived polysaccharides and ascorbic acid as an optimal dressing for exuding wound management. Materials, 14(5), 1211, doi: 10.3390/ma14051211. 4. **Vivcharenko, V.**, & Przekora, A. (2021). Modifications of wound dressings with bioactive agents to achieve improved pro-healing properties. Applied Sciences, 11(9), 4114. doi: 10.3390/app11094114. 5. **Vivcharenko, V.**, Trzaskowska, M., & Przekora, A. (2023). Wound dressing modifications for accelerated healing of infected wounds. International Journal of Molecular Sciences, 24(8), 7193. Doi:10.3390/ijms24087193. 6. Wojcik, M., Kazimierczak, P., Benko, A., Palka, K., **Vivcharenko, V.**, & Przekora, A. (2021). Superabsorbent curdlan-based foam dressings with typical hydrocolloids properties for highly exuding wound management. Materials Science and Engineering: C, 124, 112068. Doi: 10.1016/j.msec.2021.112068 7. Wojcik, M., Kazimierczak, P., Belcarz, A., Wilczynska, A., **Vivcharenko, V.**, Pajchel, L., ... & Przekora, A. (2022). Biocompatible curdlan-based biomaterials loaded with gentamicin and Zn-doped nano-hydroxyapatite as promising dressing materials for the treatment of infected wounds and prevention of surgical site infections. Biomaterials Advances, 139, 213006. Doi: 10.1016/j.bioadv.2022.213006 8. Skibiński, S., Czechowska, J. P., Guzik, M., **Vivcharenko, V.**, Przekora, A., Szymczak, P., & Zima, A. (2023). Scaffolds based on β tricalcium phosphate and polyhydroxyalkanoates as biodegradable and bioactive bone substitutes with enhanced physicochemical properties. Sustainable Materials and Technologies, 38, e00722. Doi: 10.1016/j.susmat.2023.e00722 9. Trzaskowska, M., **Vivcharenko, V.**, Franus, W., Goryczka, T., Barylski, A., & Przekora, A. (2023). Optimization of the Composition of Mesoporous Polymer–Ceramic Nanocomposite Granules for Bone Regeneration. Molecules, 28(13), 5238. Doi: 10.3390/molecules28135238 10. Trzaskowska, M., **Vivcharenko, V.**, Kazimierczak, P., Wolczyk, A., & Przekora, A. (2023). In vitro screening studies on eight commercial essential oils-derived compounds to identify promising natural agents for the prevention of osteoporosis. Biomedicines, 11(4), 1095. Doi: 10.3390/biomedicines11041095

Professional achievements and professional activity in the subject of training	**Employment:** X2023-present: assistant professor, Medical University of Lublin, Department of Tissue Engineering and Regenerative Medicine II 2022-IX 2023: assistant, Medical University of Lublin, Independent Laboratory of Tissue Engineering and Regenerative Medicine **Scientific achievements:** – **19 original full-text papers with Impact Factor** (total Impact Factor of scientific publications according to the JCR list = **104,184**, first author in 5 articles) – **5 original full-text papers without IF** from Part B of the list of scientific journals of the Ministry of Science and Higher Education (first author in 2 articles) – **34 published conference abstracts** (22 at international conferences, 12 at national conferences) – **6 patents and 7 patent applications**
Research grants	2019 – 2022 **Main contractor in the research project entitled** "Comprehensive assessment of the biomedical potential of innovative macroporous cryogel biomaterials produced using the freeze-drying technique in combination with a foaming agent". The project is carried out under the OPUS 16 program of the National Science Center, UMO-2018/31/B/ST8/00945. 2022 – 2025 **Principal Investigator in the project entitled** Bioabsorbable nanocomposite hydroxyapatite-polymer granules with increased osteoconductivity and anti-inflammatory properties for use in the treatment of bone defects. **PRELUDIUM 20** UMO-2021/41/N/NZ7/01633. 2022 – 2024 **Contractor in the internal UML grant** - Innovation Grant entitled Evaluation of the effect of drying technique of polysaccharide matrices on their physicochemical and biological properties 2023 – 2024 **Principal Investigator in the UML internal grant** Early stage researcher (Pbmb 170) entitled Development of a method for creating a potential cartilage tissue construct in vitro 2023 – 2024 **Participation in the project no**. 22310096 "Biodegradable metal development and surface functionalization V4 network" from the International Visegrad Fund
Cross-cutting skills *	- intrinsic motivation - critical thinking - cross-cultural understanding - collaboration skills - reflective thinking - innovative thinking - creativity and innovation
Signature	Vladyslav Vivcharenko

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

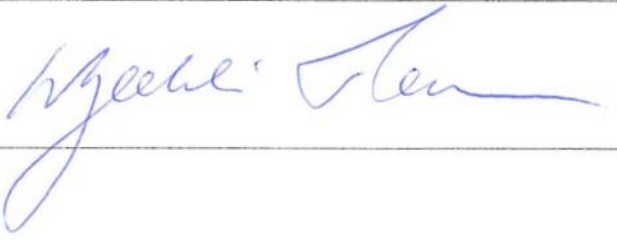
First and last name	Beata Dobrowolska
Academic degree/title	Full Professor
Affiliation	Department of Holistic Care and Management in Nursing Chair of Integrated Nursing Care Faculty of Health Sciences Medical University of Lublin
Scientific discipline	Health Sciences
The course (conducted at the Doctoral School)	Innovation in nursing research
Qualifications and competencies for training in the subject of education	Research carried out in national and international teams, resulting in: PhD (2006), UMCS Dr. hab. n. o zdr. (2018), UM in Lublin Professor title (2024) Course: European Projects Specialist, Polish Foundation for Supporting Economic Development "OIC Poland", Lublin 22.03-6.04.2003, diploma no.: 139/2003
Publications thematically related to the subject of the course	**Research Protocol of the Polish Adaptation and Validation of HOPE Scale: Qualitative Measurement of Patients' Spiritual Needs.** [AUT.] MAŁGORZATA FOPKA-KOWALCZYK, MICHAŁ MACHUL, [AUT. KORESP.] BEATA DOBROWOLSKA. *J. Palliat. Med.* 2022 vol. 25 nr 10 s. 1492–1500, bibliogr. poz. 51. DOI: 10.1089/jpm.2021.0530 **Doctoral programmes in the nursing discipline: a scoping review.** [AUT. KORESP.] BEATA DOBROWOLSKA, [AUT.] PAWEŁ CHRUŚCIEL, ANNA PILEWSKA-KOZAK, VIOLETTA MIANOWANA, MARTA MONIST, ALVISA PALESE. *BMC Nurs.* [online] 2021 vol. 20 [art. nr] 228, s. 1-24, bibliogr. poz. 62, [przeglądany 16 listopada 2021]. Dostępny w: https://bmcnurs.biomedcentral.com/articles/10.1186/s12912-021-00753-6. DOI: 10.1186/s12912-021-00753-6 **The role of doctoral-educated nurses in the clinical setting: findings from a scoping review.** [AUT. KORESP.] BEATA DOBROWOLSKA, [AUT.] PAWEŁ CHRUŚCIEL, RENATA MARKIEWICZ, ALVISA PALESE. *J. Clin. Nurs.* [online] 2021 vol. 30 nr 19/20 s. 2808-2821, bibliogr. poz. 39, [przeglądany 27

	kwietnia 2021]. Dostępny w: https://onlinelibrary.wiley.com/doi/10.1111/jocn.15810. DOI: 10.1111/jocn.15810 **European intensive care nurses' cultural competency: an international cross-sectional survey.** [AUT. KORESP.] BEATA DOBROWOLSKA, [AUT.] ALEKSANDRA GUTYSZ-WOJNICKA, DOROTA OZGA, EVA BARKESTAD, JULIE BENBENISHTY, KRISTIJAN BREZNIK, BOJANA FILEJ, DARJA JAROSOVA, BORIS M. KAUČIČ, IVANA NYTRA, BARBARA SMRKE, RENATA ZELENIKOVA, BRONAGH BLACKWOOD. *Intensive Crit. Care Nurs.* [online] 2020 vol. 60 [art. nr] 102892, s. 1-8, bibliogr. poz. 34, [przeglądany 12 czerwca 2020]. Dostępny w: https://doi.org/10.1016/j.iccn.2020.102892. DOI: 10.1016/j.iccn.2020.102892
Professional achievements and professional activity in the subject of training	- Conducting classes in the field of research methodology for students of various fields during their diploma and postgraduate education; - Supervisor of bachelor's theses (85), master's theses (62) and doctoral theses (2 defended, 11 in progress) -Conducting scientific research using quantitative, qualitative, mixed methods and systematic and scope reviews of literature.
Research grants	• Realisation of selected tasks in the project: *ABC - Ascertaining Barriers for Compliance: policies for safe, effective and cost-effective use of medicines in Europe,* project financed by the European Commission under the 7th Framework Programme (2009-2012). Participation in the project as part of the activities of the Polish Nursing Association. • Realisation of research tasks in the project: *"International Donor Collaborative Project on Organ Donation and Transplantation ("Proyecto Donante").* Project coordinated by the University of Murcia, Spain (2011-2012). • Realisation of research tasks and coordinating the project from the side of Polish partner: *Healthy lifestyle for ageing well (HLAW),* Erasmus +, KA2-HE-19/14**,** Strategic partnership in HE, (2014-2016). No of agreement: 14-203-000685. • Leader of research part of the project: *Multicultural Care in European Intensive Care Units (MICE-ICU),* project within Erasmus +, KA2, Strategic partnership (2016-2018). No of agreement 2016-1-PL01-KA202-026615. • Member of the consortium and coordinator of the Polish partner of the international project: *Dynamic Digital Skills for Agility and Resilience in Medical and Allied Professions* (DDS-MAP). Project financed in the EU4Health. Realisation from 1 March 2023. Leader of WP 8. • Coordinator of the Polish partner's work and project contractor: *4D in the Digitalization of Learning in Practice Placement*. Erasmus +, KA2, Strategic partnership. (2022-2025).

	• Coordinator of the Polish partner's work and project contractor: *Strenghtening of ethical competence of future nurses and midwives: an inter-professional action-learning project on experiential training method* (ETHCOM). Erasmus +, KA2, Strategic partnership. (2022-2025). • Leader and international project contractor: *Protecting You and Others. Community infection prevention behaviour change program*. Erasmus +, KA2, Strategic partnership. (2023-2026).
Cross-cutting skills *	critical thinking innovative thinking reflective thinking communication skills intrinsic motivation cross-cultural understanding
Signature	Kierownik Zakładu Opieki Holistycznej i Zarządzania w Pielęgniarstwie Katedra Zintegrowanej Opieki Pielęgniarskiej Wydział Nauk o Zdrowiu Uniwersytet Medyczny w Lublinie dr hab. n. o zdr. Beata Dobrowolska profesor uczelni

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Mariusz Wysokiński
Academic degree/title	Associate professor, PhD,
Affiliation	Department of Fundamentals of Nursing Faculty of Health Sciences
Scientific discipline	Health sciences
The course (conducted at the Doctoral School)	Modern education in higher education / Methodology in higher education.
Qualifications and competencies for training in the subject of education	• Monthly teaching internship at the Department of Community Nursing at the Medical University of Warsaw in 2017. • Participation in the training seminar on Higher Education Didactics "Selected Examination Methods as Tools for Monitoring Learning Outcomes and Quality of Education," Medical University of Warsaw, 2014. • Advanced course "Methods and Instruments of Modern Medical Education," Medical Center for Postgraduate Education in Warsaw, 2006. • Participation in the "E-learning Assistant" project as part of the Leonardo da Vinci program, 2004-2006. • Completed pedagogical and ethical training for assistants at the Medical University. • Teaching and methodological training for academic teachers, Lublin, June 18-20,
Publications thematically related to the subject of the course	E-learning in Polish universities. Maciej Juszczyk, Wiesław Fidecki, Mariusz Wysokiński. *Pielęgniarstwo XXI w.* 2006;367-69. E-learning in academic education of nurses. Wiesław Fidecki, Edyta Religa, Mariusz Wysokiński. In: Selected issues in European nursing. Irena Wrońska and Elżbieta Krajewska-Kułak (ed.), Lublin 2007, Czelej, pp.133-144

Professional achievements and professional activity in the subject of training	- 24 years of experience as a university teacher, - Experience in teaching the subject of Medical Didactics at the Medical University of Lublin, - Experience in teaching the subject of Nursing Didactics at the Medical University of Warsaw, - Conducting Level I training for teachers "BasIQ - Medical Simulation and Teaching Methodology," - Teaching courses for doctoral students in the field of medical education.
Research grants	Project coordinator and member of the research task team: PW 685 Selected aspects of globalization in European nursing. DS. 502 Optimizing nursing care for geriatric patients. Grant of the Minister of Education and Science "*Patient support through popularization of scientific evidence in the practice of medical professions"*
Cross-cutting skills *	communication skills, ability to work in a team, creativity, willingness to learn, critical thinking,
Signature	

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	**Danuta Zarzycka**
Academic degree/title	Habilitated doctor of health sciences, university professor
Affiliation	Department of Pediatrics and Pediatric Nursing, Department of Integrated Nursing Care
Scientific discipline	Health Sciences
The course (conducted at the Doctoral School)	Evidence Based Practice (Evidence Based, Evidence Based Medicine, Evidence Based Nursing)
Qualifications and competencies for training in the subject of education	Postgraduate studies in the field of "Management of research projects and development works" WSEI, Lublin February 22, 2010
Publications thematically related to the subject of the course	– Evidence Based Nursing - the essence and possibilities of application in nursing practice. [AUTHOR] BEATA DOBROWOLSKA, RENATA ŻACZEK, TOMASZ CUBER, DANUTA MATEJCZYK, WIESŁAWA CIECHANIEWICZ, DANUTA ZARZYCKA, BARBARA ŚLUSARSKA, ANETA KOŚCIOŁEK. In: Challenges of contemporary pediatrics: evaluation of nurse and midwife education. Edited by Małgorzata Wojciechowska, Łódź 2011, Publishing House of the Academy of Humanities and Economics, pp. 51-61, bibliogr, 978-83-7405-545-1. – Nursing diagnostics manual: a guide to planning evidence-based care. [AUTHOR] Betty J. Ackley, Gail B. Ladwig. [SCIENTIFIC EDITOR. EDITOR. POL.] DANUTA ZARZYCKA, BARBARA ŚLUSARSKA. Warsaw 2011, GC Media House, pp. 767, 978-83-934395-0-8. – Evidence-based nursing practice. [AUTH.] DANUTA ZARZYCKA. In: Surgical nursing: textbook for specialization. Ed. Aldona Michalak, Regina Sierżantowicz Warsaw 2023, PZWL Medical Publishing House, pp. 140-157, [collective bibliography], 978-83-01-23132-3. – Implementation of scientific evidence into nursing practice. [AUTHOR] BARBARA ŚLUSARSKA,

	DANUTA ZARZYCKA. In: Fundamentals of nursing. Vol. 2. Selected skills and procedures of nursing care. Ed. Barbara Ślusarska, Danuta Zarzycka, Anna Majda Warsaw 2017, Wydawnictwo Lekarskie PZWL, pp. 16-31, bibliogr, 978-83-200-5409-5. – Theory, research and evidence-based practice in nursing. [AUTHOR] DANUTA ZARZYCKA, ALEKSANDRA GAWORSKA-KRZEMIŃSKA. In: Fundamentals of nursing. Vol. 1. Conceptual and empirical assumptions of nursing care. Ed. Danuta Zarzycka, Barbara Ślusarska, Warsaw 2017, PZWL Medical Publishing House, pp. 159-171, [collective bibliography], 978-83-200-5370-8. – Evidence-based Nursing Practice - in the Context of Individualized Care for a Child with Epilepsy. [AUTHOR] KRYSTYNA BERNAT, ALINA TROJANOWSKA, DANUTA ZARZYCKA, KATARZYNA MYRTA. In: 2nd Scientific and Training Conference: Scientific and Professional Challenges in Contemporary Nursing. Kielce, June 10, 2016. [Abstract] [no pag.], [CD-ROM]. – The advanced practice nursing in the United States of America. [AUTHOR] URSZULA A. POLSKA, [CORRESPONDING AUTHOR] BARBARA ŚLUSARSKA, [AUTHOR] DANUTA ZARZYCKA. Nursing XXI century 2014 no. 4 pp. 61-66, bibliogr. sum.
Professional achievements and professional activity in the subject of training	o Completion of a training cycle: use of specialist databases taking into account the specificity of the subjects taught, electronic sources of medical information supporting teaching, bibliometric assessment of scientific achievements in practice as part of the project "M-Edukator - a program of continuous development of competences of teaching staff of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.4. Management in higher education institutions. Project no. POWR. 03.04.00-00-D0 18/16, o Completion of the training "Creating e-learning courses on the moodle platform" as part of the project "M-Edukator - a program of continuous development of competences of teaching staff of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.4. Management in higher

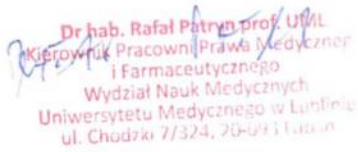
	education institutions. Project no. POWR. 03.04.00-00-D0 18/16, o Completion of the training "How to obtain a research grant - practical tips on participation in the 7th EU Framework Programme" organized by the Regional Contact Point for Research Programmes of the European Union in Lublin o Completion of the training Researcher Academy Elsevier o Completion of the training Perfect systematic review. How the Embase database supports scientific research and systematic literature reviews in the field of bio-medical sciences; 16.04.2024 o Participation in the ERASMUS + program - STA teaching trip in the academic year 2028/2019. The visit was carried out within the framework of the Erasmus+ bilateral agreement on the mobility of teaching staff signed between the Medical University of Lublin (PL LUBLINO5) and the Ovidius University in Constanta, Romania (Agreement No. 11/2017/STA).
Research grants	**Research activity external projects (project manager):** – 2008-2011 grant of the Ministry of Science and Higher Education No. N N 404 153834 entitled "Dynamics of changes in selected external health resources (social support, life events) and internal resources (cortisol/DHEA level, life orientation) of academic youth from the city of Lublin and the level of anxiety and depression" – 2023-2025 grant of the Ministry of Science and Higher Education - Agreement No. KONF/SP/0268/2023/01. Project title: "National conference "Multi-level care for newborns and infants".Co-financed by the Minister of Education and Science from the state budget under the **Research activities internal projects (project manager):** – 2022-2024 Body weight and selected indicators of the child's cardiovascular system – 2019-2021 Factors moderating immobilization stress in children immobilized due to chronic disease"Excellent Science II" program – 2016-2018 Selected medical and socio-environmental conditions of post-vaccination immunity in children with type 1 diabetes – 2012-2015 Trends in post-vaccination immunity in healthy children and in the course of bronchial

	asthma depending on the form of active immunoprophylaxis implemented.
Cross-cutting skills *	– Completed training series "Coaching – group cooperation workshops" and individual session as part of the project "HQMedEd – High Quality Medical Education - Integrated Development Programs of the Medical University of Lublin" Operational Program Knowledge Education Development 2014-2020, Priority Axis III Higher education for economy and development. Measure 3.5. Comprehensive programs of higher education institutions. Project co-financed by the European Union from the European Social Fund – Completion of training: The power of a positive message – Human Skills, 24.04.2024 – Stress and burnout in work with patients; TZMO Foundation, 02.03.2023 – Training on ensuring accessibility. Project "Friendly University" - accessibility program of the Medical University of Lublin for people with disabilities, Operational Program Knowledge Education Development 2014-2020. Priority Axis III. Higher education for economy and development. Measure 3.5 Comprehensive higher education programmes, project co-financed by the European Union from the European Social Fund. No. POWER.03.05.00-00-A056/19-00.
Signature	Danuta Zamycka

Charakterystyka sylwetki nauczyciela akademickiego Szkoły Doktorskiej UM w Lublinie

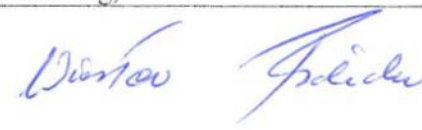
Imię i Nazwisko	Rafał Kamil Patryn
Stopień/tytuł naukowy	Dr hab. prof. UM
Miejsce pracy	Department of Medical and Pharmaceutical Law, Medical University of Lublin
Dyscyplina naukowa	Medical science
Przedmiot prowadzony	Research ethics and intellectual property law
Kwalifikacje i kompetencje do kształcenia w przedmiocie kształcenia	Academic degrees held, including the year of obtaining them 1. Medical University of Lublin. Habilitated Doctor of Health Sciences 2018 2. John Paul II Catholic University of Lublin. 2009 Doctor of Laws. Civil Law. 3. Catholic University of Lublin. 2004 Doctor of Humanities. Sociology. 4. Catholic University of Lublin. 2001 Master of Laws 5. Maria Curie-Skłodowska University. 2001 Master of Sociology 6. Maria Curie-Skłodowska University. 1998 Master of Philosophy
Publikacje powiązane tematycznie z przedmiotem kształcenia	1.Determination of the principle of a physician's conduct with due diligence from the perspective of court decisions. [AUTHOR] RAFAŁ PATRYN. Prawo Med. 2012 vol. 14 no. 2 pp. 80-90 2.Types of consent, their scope and application. Patryn R. Neurol. Prakt. 2017 no. 1, pp. 71-74 3.Patient's consent to the provision of health services. Presentation of theory and case law. Patryn R. Neurol. Prakt. 2015 vol. 15 no. 4 pp. 62-68 4.Consent to the provision of health services in the case of geriatric patients in Polish law. Patryn R. Sak J. Zagaja A. Zygo K. Stanisławek A. Gerontologia Polska 2017; 25; 3-00 5.The principle of information in the case of geriatric patients. Article 31 of the Act on the Professions of Physician and Dentist. [AUTHOR] RAFAŁ PATRYN. Dermatol. Prakt. 2018 vol. 10 no. 2 pp. 72-76 6. Presentation of the professional responsibility of a physician, parts 1 and 2 [AUTHOR] RAFAŁ PATRYN. Dermatol. Prakt. 2018 vol. 10 no. 3 pp. 70-75. 7. Procedure for the safety of invasive procedures. Perioperative control card. [AUTHOR] RAFAŁ PATRYN. Dermatol. Prakt. 2018 vol. 10 no. 6 pp. 67-73, bibliography item 35, [Ibid.: Gastroenterol. Prakt. 2021 no. 1 pp. 82-87. 8. Withdrawal from performing professional activities by a

	physician due to aggressive behavior of the patient. [AUTHOR] RAFAŁ PATRYN. Neurol. Prakt. 2018 vol. 18 no. 6 pp. 54-58, 9.Off-label drug use. Conditions and possibilities of prescribing. Part 1 and 2 [AUTHOR] RAFAŁ PATRYN. Neurol. Prakt. 2019 vol. 19 no. 3 pp. 54-59, 10.Prohibition of advertising of doctors in accordance with the provisions of the Code of Medical Ethics. [AUTHOR] RAFAŁ PATRYN. Neurol. Prakt. 2020 vol. 20 no. 2 pp. 87-91, bibliogr. 11.Issuing prescriptions by the pharmacists to ensure continuity of medical treatment. Legal principles concerning a new typology of prescriptions. [AUTHOR] RAFAŁ PATRYN, [CORRESPONDING AUTHOR] MARIOLA DROZD. Acta Pol. Pharm. 2021 vol. 78 no. 2 pp. 151-156, 12.Professional responsibility of the pharmacist in the Polish legal system. [AUTHOR] RAFAŁ PATRYN, MARIOLA DROZD. Acta Pol. Pharm. 2022 vol. 79 no. 2 pp. 147-154.
Dorobek zawodowy i aktywność zawodowa w przedmiocie kształcenia	Since 2002 (since my employment), I have been teaching classes for practically all fields of study at the Medical University of Lublin (formerly the Medical Academy of Lublin). This mainly concerns the subjects in which I specialize, such as: medical law and medical ethics. - Since 2018 (currently in the form of two semesters), I have been teaching classes for students of the Faculty of Medicine devoted to issues of law and bioethics for the Final Medical Examination. - At the Doctoral School of the Medical University (formerly the Doctoral Studies at the Medical University), I have been teaching a subject (since 2006) (combined with an exam in the second year) - Ethics of scientific research and intellectual property law. The exam, which is in the form of a credit, is a way of verifying learning for qualifications at level 8 of the Polish Qualifications Framework as part of the procedure for awarding a doctoral degree. The exam applies to full-time students as well as extramural students. -I also conducted classes during two editions of postgraduate studies conducted at Our Alma Mater (Rechamenager – Rehabilitation management specialist). -The number of students who wrote their master's or bachelor's theses under my supervision is currently 164 people (164 master's and bachelor's theses). -Two doctoral dissertations are currently being carried out under my supervision. -I also conduct (which is already an activity outside the university) specialist courses in medical law for medical specialists organized by authorized entities. Teaching specialization 1. General law, medical law, civil law, labor law, intellectual property law 2. General ethics, medical ethics, ethics of medical professions 3. Bioethics, medical anthropology 4. Philosophy, philosophy of medicine 5. Sociology, sociology of medicine
Granty badawcze	Implementation of internal grant DS no. 737, entitled Professional liability of physicians and dentists in the context of supervision over the performance of the profession by the professional self-government.
Umiejętności przekrojowe*	1. Critical thinking (critical analysis of information, assessment of the reliability of knowledge sources) 2. Interdisciplinarity (ability to synthesize different areas of knowledge) 3. Digital skills (e.g. technology support, AI, critical assessment of information) 4. Communication (imagery of the message, active listening,

	discussion) 5. Diagnosing problems (generating solutions, testing hypotheses) 6. Teamwork (team management and responsibility) 7. Creativity (analysis and synthesis of problems, combining areas of knowledge) 8. Awareness of cultural conditions (cultural heritage, globalization). 9. Sign language
Podpis 	

Characteristics of an academic teacher
Doctoral School of the Medical University of Lublin

First and last name	Wiesław Fidecki
Academic degree/title	PhD in Medical Sciences
Affiliation	Labortory of Clinical Skills Faculty of Health Sciences
Scientific discipline	Health sciences
The course (conducted at the Doctoral School)	Modern education in higher education / Methodology in higher education.
Qualifications and competencies for training in the subject of education	• Monthly teaching internship at the Department of Community Nursing at the Medical University of Warsaw in 2017. • Internship at the Medical Simulation Center of the Medical University of Łódź from March 12 to March 15, 2018. • Participation in the training seminar on Higher Education Didactics "Selected Examination Methods as Tools for Monitoring Learning Outcomes and Quality of Education," Medical University of Warsaw, 2014. • Advanced course "Methods and Instruments of Modern Medical Education," Medical Center for Postgraduate Education in Warsaw, 2006. • Participation in the "E-learning Assistant" project as part of the Leonardo da Vinci program, 2004-2006. • Completed pedagogical and ethical training for assistants at the Medical University. • Teaching and methodological training for academic teachers, Lublin, June 18-20, • 2015.Training on "How to Write a Simulation Scenario," CSM, Lublin, October 12, 2015.
Publications thematically related to the subject of the course	Education using simulation in health sciences. Irena Wrońska, Wiesław Fidecki. In: Simulation in Medical Education. Ed. Kamil Torres, Andrzej Kański. Grafpol, Agnieszka Blicharz-Krupińska, Lublin 2018, pp. 45-58. E-learning in Polish universities. Maciej Juszczyk, Wiesław Fidecki, Mariusz Wysokiński. *Pielęgniarstwo XXI w.* 2006;367-69. E-learning in academic education of nurses. Wiesław

	Fidecki, Edyta Religa, Mariusz Wysokiński. In: Selected issues in European nursing. Irena Wrońska and Elżbieta Krajewska-Kułak (ed.), Lublin 2007, Czelej, pp.133-144
Professional achievements and professional activity in the subject of training	- 22 years of experience as a university teacher, - Experience in teaching the subject of Medical Didactics at the Medical University of Lublin, - Experience in teaching the subject of Nursing Didactics at the Medical University of Warsaw, - Conducting Level I training for teachers "BasIQ - Medical Simulation and Teaching Methodology," - Conducting training to prepare instructors for administering the OSCE video exam, - Teaching courses for doctoral students in the field of medical education.
Research grants	Member of the research task team: PW 660: Quality of Education in Medical Education.
Cross-cutting skills *	communication skills, ability to work in a team, creativity, willingness to learn, critical thinking,
Signature	

Decree No. 47/2019
of the Rector of the Medical University of Lublin

of May 20, 2019

on the appointment of the Admissions Committee to conduct the admissions process for the Doctoral School of the Medical University of Lublin for the 2019/2020 academic year

Pursuant to § 10 of the Appendix to Resolution No. CCLIV/2019 of the Senate of the Medical University of Lublin of April 17, 2019 *on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2019/2020 academic year***, I hereby order as follows**:

§ 1

I hereby appoint an Admissions Committee to conduct the admissions process for the Doctoral School of the Medical University of Lublin for the 2019/2020 academic year, composed of the following members:

Chair:

Prof. Hanna Trębacz – Vice-Rector for International Cooperation and Postgraduate Training

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida
Prof. Elżbieta Pac-Kożuchowska
Prof. Monika Pitucha
Prof. Antoni Niedzielski

Members – academic teachers from the Faculties:

Prof. Barbara Tymczyna-Borowicz
Prof. Katarzyna Bartosik
Prof. Jacek Kurzepa
Prof. Jarogniew Łuszczki
Prof. Krzysztof Giannopoulos
Prof. Grażyna Wójcicka
Prof. Grażyna Biała
Prof. Anna Gumieniczek
Prof. Wirginia Kukuła-Koch
Prof. Teresa Kulik
Prof. Agnieszka Zwolak
Prof. Mariusz Wysokiński

§ 2

1. The committee referred to in § 1 will conduct the qualification procedure for the Doctoral School of the Medical University of Lublin.
2. The committee referred to in § 1 shall be divided into three Examination Teams, depending on the discipline:

1) Examination Team in the field of medical sciences

Team Chair – Prof. Jarogniew Łuszczki

Team members – Prof. Elżbieta Pac-Kożuchowska

Prof. Grzegorz Dzida
Prof. Krzysztof Giannopoulos
Prof. Jacek Kurzepa

Prof. Barbara Tymczyna-Borowicz
Prof. Katarzyna Bartosik
Prof. Grażyna Wójcicka

2) Examination Board in the field of pharmaceutical sciences
Team Chair – Prof. Grażyna Biała
Team Members – Prof. Anna Gumieniczek
Prof. Monika Pitucha
Prof. Wirginia Kukuła-Koch

3) Examination Board in the field of health sciences
Team Chair – Prof. Teresa Kulik
Team Members – Prof. Agnieszka Zwolak
Prof. Antoni Niedzielski
Prof. Mariusz Wysokiński

§ 3

1. Each Examination Board shall prepare a ranking list of candidates in the discipline in which the qualification procedure will take place and shall submit it to the Chair of the Recruitment Committee.
2. The Vice-Rector for International Cooperation and Postgraduate Education, based on the results of the qualification procedure conducted by individual Examination Teams, will issue decisions on admission to the Doctoral School of the Medical University of Lublin.

§ 4

This regulation shall enter into force on the date of its signing.

Rector
of the Medical University of Lublin

Prof. Andrzej Drop

MEDICAL UNIVERSITY OF LUBLIN
VICE-RECTOR FOR DOCTORAL SCHOOLS
and POSTGRADUATE TRAINING
Al. Racławickie 1, 20-059 Lublin
tel. 81/448-50-22, fax 81/528-88-38
prwspolpraca@umlub.pl

Lublin, June 17, 2020

1/2020
Ref. no. BSD/0772/277a/2020

APPOINTMENT OF THE RECRUITMENT COMMITTEE

Pursuant to § 109(3) of the Statutes of the Medical University of Lublin of June 26, 2019 and § 10 of the Terms and Conditions of Recruitment to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year, constituting an Appendix to Resolution No. CCCXLII/2020 of the Senate of the Medical University of Lublin of February 26, 2020

The Director of the Doctoral School of the Medical University of Lublin
appoints an Admissions Committee
to conduct the admission procedure to the Doctoral School
of the Medical University of Lublin for the 2020/2021 academic year,
composed of:

Chair:

Prof. Krzysztof Giannopoulos – Chairman of the Scientific Council of the Doctoral School

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida

Prof. Elżbieta Pac-Kożuchowska

Prof. Monika Pitucha

Prof. Antoni Niedzielski

Members – within the disciplines:

medical sciences

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Krzysztof Tomasiewicz

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

Pharmaceutical Sciences

Prof. Jolanta Kotlińska

Prof. Anna Gumieniczek

Prof. Wirginia Kukuła-Koch

Health Sciences

Prof. Teresa Kulik

Prof. Danuta Zarzycka

Prof. Mariusz Wysokiński

The members of the Commission were divided into three Examination Teams, depending on the discipline:

1) Examination Team for the discipline of medical sciences

Team Chair – Prof. Elżbieta Pac-Kożuchowska

Team members – Prof. Grzegorz Dzida
Prof. Jolanta Szymańska
Prof. Katarzyna Nowomiejska
Prof. Krzysztof Tomasiewicz
Prof. Grażyna Wójcicka
Prof. Paweł Miotła
Prof. Grzegorz Staśkiewicz

2) Examination Team in the field of pharmaceutical sciences

Team Chair – Prof. Jolanta Kotlińska

Team members – Prof. Anna Gumieniczek
Prof. Monika Pitucha
Prof. Wirginia Kukuła-Koch

3) Examination Team in the field of health sciences

Team Chair – Prof. Teresa Kulik

Team members – Prof. Danuta Zarzycka
Prof. Antoni Niedzielski
Prof. Mariusz Wysokiński

Director of the Doctoral School
of the Medical University of Lublin

Prof. Hanna Trębacz

SZKOŁA DOKTORSKA

U N I V E R S I T Y MEDICAL IN L U B L I N
DIRECTOR OF THE DOCTORAL SCHOOL

ul. Witolda Chodźki 7
20-093 Lublin

tel.: 81/448-77-00/02/04
fax: 81/448-77-01
szkola.doktorska@umlub.pl

Lublin, July 5, 2021

Ref. no. BSD/0772/356/2021
2/2021

APPOINTMENT OF THE RECRUITMENT COMMITTEE

Pursuant to § 109(3) of the Statutes of the Medical University of Lublin of June 26, 2019, and § 10 of the Terms and Conditions of Admission to the Doctoral School of the Medical University in Lublin for the 2021/2022 academic year, constituting an appendix to Resolution No. XLV/2021 of the Senate of the Medical University of Lublin of January 27, 2021

The Director of the Doctoral School of the Medical University of Lublin
appoints an Admissions Committee
to conduct the admission procedure to the Doctoral School
of the Medical University of Lublin for the 2021/2022 academic year,
composed of:

Chair:

Prof. Krzysztof Tomasiewicz – Chairman of the Scientific Council of the Doctoral School

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida

Prof. Elżbieta Pac-Kożuchowska

Prof. Monika Pitucha

Prof. Antoni Niedzielski

Members – within the disciplines:

medical sciences

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

Prof. Violetta Opoka-Winiarska

Pharmaceutical Sciences

Prof. Jolanta Kotlińska

Prof. Anna Gumieniczek

Prof. Wirginia Kukuła-Koch

Health Sciences

Prof. Teresa Kulik

Prof. Danuta Zarzycka

Prof. Mariusz Wysokiński

The members of the Commission were divided into three Examination Teams, depending on the discipline:

1) Examination Team in the field of medical sciences

Team Chair – Prof. Elżbieta Pac-Kożuchowska

Team members – Prof. Grzegorz Dzida
Prof. Jolanta Szymańska
Prof. Katarzyna Nowomiejska
Prof. Violetta Opoka-Winiarska
Prof. Grażyna Wójcicka
Prof. Paweł Miotła
Prof. Grzegorz Staśkiewicz

2) Examination Team in the field of pharmaceutical sciences

Team Chair– Prof. Jolanta Kotlińska

Team members – Prof. Anna Gumieniczek
Prof. Monika Pitucha
Prof. Wirginia Kukuła-Koch

3) Examination Team in the field of health sciences

Team Chair – Prof. Teresa Kulik

Team members – Prof. Danuta Zarzycka
Prof. Antoni Niedzielski
Prof. Mariusz Wysokiński

Director
of the Doctoral School
of the Medical University of Lublin

Prof. Krzysztof Giannopoulos

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SCHOOL DOCTORAL

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szkola.doktorska@umlub.pl

Lublin, June 2, 2022

Ref. No. BSD/0772/287/2022

APPOINTMENT OF THE RECRUITMENT COMMITTEE No. 3/2022

Pursuant to § 109(3) of the Statutes of the Medical University of Lublin of June 26, 2019, and § 10 of the Terms and Conditions of Admission to the Doctoral School of the Medical University in Lublin for the 2022/2023 academic year, constituting an appendix to Resolution No. 145/2022 of the Senate of the Medical University of Lublin of February 23, 2022

Vice-Rector for the Doctoral School and Clinical Research
of the Medical University of Lublin
appoints an Admissions Committee
to conduct the admission procedure to the Doctoral School
of the Medical University of Lublin for the 2022/2023 academic year,
composed of:

Chair:

Prof. Krzysztof Tomasiewicz – Chairman of the Scientific Council of the Doctoral School

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida

Prof. Elżbieta Pac-Kożuchowska

Prof. Monika Pitucha

Prof. Beata Dobrowolska

Members – within the disciplines:

medical sciences

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

Prof. Violetta Opoka-Winiarska

Pharmaceutical Sciences

Prof. Jolanta Kotlińska

Prof. Anna Gumieniczek

Prof. Wirginia Kukuła-Koch

health sciences

Prof. Teresa Kulik MD

Prof. Danuta Zarzycka

Prof. Mariusz Wysokiński

The members of the Commission were divided into three Examination Teams, depending on the discipline:

1) Examination Team in the field of medical sciences

Team Chair – Prof. Elżbieta Pac-Kożuchowska

Team members – Prof. Grzegorz Dzida

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Violetta Opoka-Winiarska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

2) Examination Team in the field of pharmaceutical sciences

Team Chair – Prof. Jolanta Kotlińska

Team members – Prof. Anna Gumieniczek

Prof. Monika Pitucha

Prof. Wirginia Kukuła-Koch

3) Examination Team in the field of health sciences

Team Chair – Prof. Teresa Kulik

Team members – Prof. Danuta Zarzycka

Prof. Beata Dobrowolska

Prof. Mariusz Wysokiński

Vice-Rector

for the Doctoral School and Clinical Research

of the Medical University of Lublin

Prof. Krzysztof Giannopoulos

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Lublin, July 18, 2023

Ref. No. BSD/0772/458/2023

APPOINTMENT OF THE RECRUITMENT COMMITTEE No. 4/2023

Pursuant to § 109(3) of the Statutes of the Medical University of Lublin of June 26, 2019, and § 11 of the Terms and Conditions of Admission to the Doctoral School of the Medical University in Lublin for the 2023/2024 academic year, constituting an appendix to Resolution No. 224/2023 of the Senate of the Medical University of Lublin of January 25, 2023

Vice-Rector for the Doctoral School and Clinical Research
of the Medical University of Lublin
appoints an Admissions Committee
to conduct the admission procedure to the Doctoral School
of the Medical University of Lublin for the 2023/2024 academic year,
composed of:

Chair:

Prof. Krzysztof Tomasiewicz – Chairman of the Scientific Council of the Doctoral School

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida

Prof. Elżbieta Pac-Kożuchowska

Prof. Monika Pitucha

Prof. Beata Dobrowolska

Members – within the disciplines:

medical sciences

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

Prof. Violetta Opoka-Winiarska

pharmaceutical sciences

Prof. Jolanta Kotlińska

Prof. Anna Gumieniczek

Prof. Wirginia Kukuła-Koch

health sciences

Prof. Teresa Kulik, MD

Prof. Danuta Zarzycka

Prof. Mariusz Wysokiński

The members of the Commission were divided into three Examination Teams, depending on the discipline:

1) Examination Team in the field of medical sciences

Team Chair – Prof. Elżbieta Pac-Kożuchowska

Team members – Prof. Grzegorz Dzida

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Violetta Opoka-Winiarska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

2) Examination Board in the field of pharmaceutical sciences

Team Chair – Prof. Jolanta Kotlińska

Team members – Prof. Anna Gumieniczek

Prof. Monika Pitucha

Prof. Wirginia Kukuła-Koch

3) Examination Team in the field of health sciences

Team Chair – Prof. Teresa Kulik

Team members – Prof. Danuta Zarzycka

Prof. Beata Dobrowolska

Prof. Mariusz Wysokiński

Vice-Rector

for the Doctoral School and Clinical Research

of the Medical University of Lublin

Prof. Krzysztof Giannopoulos

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Lublin, May 20, 2024

Ref. No. BSD.411.2024/224

APPOINTMENT OF THE RECRUITMENT COMMITTEE

No. 5/2024

Pursuant to § 110(3) of the Statutes of the Medical University of Lublin of June 26, 2019 and § 10 of the Terms and Conditions of Admission to the Doctoral School of the Medical University of Lublin for the 2024/2025 academic year, constituting an appendix to Resolution No. 224/2023 of the Senate of the Medical University of Lublin of February 21, 2024, the Vice-Rector for Doctoral School and Clinical Research at the Medical University of Lublin appoints an Admissions Committee to conduct the admissions process to the Doctoral School of the Medical University of Lublin for the 2024/2025 academic year, composed of:

Chair:

Prof. Krzysztof Tomasiewicz – Chair of the Scientific Council of the Doctoral School

Members – Heads of Doctoral Studies:

Prof. Grzegorz Dzida

Prof. Elżbieta Pac-Kożuchowska

Prof. Monika Pitucha

Prof. Beata Dobrowolska

Members – within the disciplines:

medical sciences

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

Prof. Violetta Opoka-Winiarska

Pharmaceutical Sciences

Prof. Jolanta Kotlińska

Prof. Anna Gumieniczek

Prof. Wirginia Kukuła-Koch

health sciences

Prof. Agnieszka Bień

Prof. Danuta Zarzycka

Prof. Mariusz Wysokiński

The members of the Commission were divided into three Examination Teams, depending on the discipline:

1) Examination Team in the field of medical sciences

Team Chair – Prof. Elżbieta Pac-Kożuchowska

Team members – Prof. Grzegorz Dzida

Prof. Jolanta Szymańska

Prof. Katarzyna Nowomiejska

Prof. Violetta Opoka-Winiarska

Prof. Grażyna Wójcicka

Prof. Paweł Miotła

Prof. Grzegorz Staśkiewicz

2) Examination Board in the field of pharmaceutical sciences

Team Chair – Prof. Jolanta Kotlińska

Team members – Prof. Anna Gumieniczek

Prof. Monika Pitucha

Prof. Wirginia Kukuła-Koch

3) Examination Team in the field of health sciences

Team Chair – Agnieszka Bień

Team members – Prof. Danuta Zarzycka

Prof. Beata Dobrowolska

Prof. Mariusz Wysokiński

Vice-Rector

for the Doctoral School and Clinical Research

of the Medical University of Lublin

Prof. Krzysztof Giannopoulos

Lublin, June 16, 2025

SD.D.411.1.2025

APPOINTMENT OF RECRUITMENT

COMMITTEE No. 6/2025

Pursuant to § 110(3) of the Statutes of the Medical University of Lublin of August 21, 2024 and § 11 of the Terms and Conditions of Admission to the Doctoral School of the Medical University in Lublin for the 2025/2026 academic year, constituting an appendix to Resolution No. 15/2025 of the Senate of the Medical University of Lublin of February 26, 2025, the Vice-Rector for Education and Teaching at the Medical University of Lublin appoints an Admissions Committee to conduct the admissions process for the Doctoral School of the Medical University of Lublin for the 2025/2026 academic year, composed of:

1. Chair of the Committee
    - Prof. Aleksandra Szopa
2. Members in the field of medical sciences
    - Prof. Elżbieta Pac-Kożuchowska
    - Prof. Grażyna Wójcicka
    - Prof. Agnieszka Lasota
    - Prof. Iwona Wertel
    - Prof. Agata Filip
    - Prof. Katarzyna Nowomiejska
3. Members in the field of pharmaceutical sciences
    - Prof. Wirginia Kukuła-Koch
    - Prof. Jolanta Kotlińska
    - Prof. Anna Gumieniczek
4. Members in the discipline of health sciences
    - Prof. Agnieszka Bień

- Prof. Mariusz Wysokiński
- Prof. Piotr Gawda

5. Representatives of the Doctoral School Council
   - Prof. Anna Pilewska-Kozak
   - Prof. Paweł Miotła
   - Prof. Marcin Bobiński

Vice-Rector for Education and Teaching
at the Medical University of Lublin,
Prof. Kamil Torres
/signed with a qualified electronic signature/

Justification for the selection of members of the Admissions Committee at the Doctoral School of the Medical University of Lublin

The rules for appointing the Admissions Committee at the Doctoral School have been developed in accordance with the requirements of the Act on Higher Education and Science, as well as the internal regulations of the Medical University of Lublin concerning admissions to the Doctoral School. Their purpose is to ensure transparency, objectivity, and a high level of competence in the recruitment process.

1. Appointment procedure and transparency of composition. The Admissions Committee is appointed by the person responsible for the Doctoral School at the University (in subsequent years: Vice-Rector for the Doctoral School, Director of the School), which guarantees institutional supervision over the entire process and compliance with applicable regulations. The composition of the Committee is public and announced in a relevant order of the Rector, which ensures the transparency of procedures and allows candidates to familiarize themselves with the persons responsible for the evaluation and recruitment process.

2. Structure of the Committee and division into examination teams. Due to the interdisciplinary nature of the Doctoral School, until the 2024/2025 academic year, separate examination teams specific to individual scientific disciplines (medical sciences, pharmaceutical sciences, and health sciences) will operate within the Admissions Committee. Starting from the 2025/2026 academic year, the division into examination teams will be abandoned in favor of a single Admissions Committee, which will include representatives of all three disciplines. Thanks to this, the interdisciplinary nature of the admissions process will be preserved, and the evaluation of candidates will take place within a joint, representative body.

3. Qualifications of Commission members. The Committee is composed of academic teachers who hold at least a postdoctoral degree or the title of professor and have significant scientific achievements in their respective disciplines, as well as experience in supervising doctoral students. This ensures the appropriate substantive competence in the evaluation of candidates' scientific achievements, research plans, and research potential. The presence of doctoral program directors and members of the Doctoral School Council helps to maintain consistency between the recruitment criteria and the program objectives and educational standards of the school.

4. Functions and responsibilities of Commission members. Until the 2024/2025 academic year, the Admissions Commission was chaired by the Chair of the Doctoral School Council. From 2025/2026, this function may be performed by the Dean or another member of the Doctoral School Council appointed by the Dean. This person is responsible for the proper conduct of the recruitment process and the coordination of the work of the examination teams. The secretary of the Committee is an employee of the Doctoral School Office, which ensures proper administrative support and compliance with applicable procedures. In addition, the Committee consists of: Doctoral Program Directors (until the 2024/2025 academic year) and

six academic teachers in the field of medical sciences, three academic teachers in the field of pharmaceutical sciences, and three academic teachers in the field of health sciences. Committee members are required to remain impartial and objective in their assessment of candidates.

5. Justification for the selection of the number of Committee members. The number of Committee members was determined in a way that ensures a balance between the representativeness of disciplines and the effectiveness of the Committee's work. In the case of medical sciences, as the dominant discipline in the university structure, a larger number of members is provided for, reflecting the number of candidates and the diversity of sub-disciplines. For pharmaceutical sciences and health sciences, a proportionally smaller number of members is provided for, while maintaining an appropriate level of scientific competence.

6. Transparency and control of the recruitment process. The entire recruitment process is documented and conducted in accordance with the university's approved regulations. The minutes of the Committee's work form the basis for decisions on admission to the Doctoral School, which ensures that the proceedings can be verified. The transparency of the rules and qualifications of the Committee members is an important element in building trust in the recruitment process and confirms the high ethical standards of the Doctoral School.

Participation of doctoral students in the process of creating and reviewing the rules for admission to the Doctoral School of the Medical University of Lublin

1. Participation of doctoral students in the Doctoral School Recruitment Team. Since the 2024/2025 academic year, a Recruitment Team has been operating at the Doctoral School of the Medical University of Lublin. The Team includes a representative of doctoral students appointed by the Doctoral Student Council of the Medical University of Lublin. The doctoral student in the Team acts as a representative of the doctoral student community of the Medical University of Lublin Doctoral School and presents opinions, proposals, and recommendations concerning: the recruitment process and evaluation criteria at each stage of the process. The doctoral student representative participates in the work of the Team on an equal footing with the other members.

2. Participation of doctoral students in the Doctoral School Council. The Doctoral Student Council delegates its Chair to the Doctoral School Council, who is a full member of the Council. The Chair of the Doctoral Student Council has the right to participate in discussions, submit motions, and take part in votes concerning, among other things: the rules and procedures for admission to the Doctoral School, the composition of the admissions committee, and other issues related to the School's admissions policy. In this way, the Doctoral School Council enables doctoral students to submit their opinions and proposals for changes on an ongoing basis.

3. Participation of doctoral students in the decision-making process at the level of the Senate of the Medical University of Lublin. The chair of the UML Doctoral Student Council is a member of the University Senate and, as such, participates in the process of adopting, among other things, the rules and procedures for

for admission to the Doctoral School. Doctoral students, through their representative, have the right to express their opinions and positions during the Senate's legislative process.

4. Inclusiveness of the process and the role of doctoral students**.** The inclusion of doctoral student representatives in all key bodies involved in the creation of recruitment rules and procedures – the Recruitment Team, the Doctoral School Council, and the UML Senate – ensures the full inclusiveness of this process. The presence of doctoral students at every stage of developing recruitment rules and establishing candidate evaluation criteria enables the doctoral community to have a real impact on the shape of recruitment to the UML Doctoral School. This allows doctoral students to submit comments, formulate proposals, and give their opinions on the proposed solutions, which promotes transparency, improves the quality of the recruitment process, and ensures that the adopted rules meet the needs of both future candidates and the doctoral student community itself.

Regulations of the Doctoral School of the Medical University of Lublin

Period: October 1, 2019 – September 10, 2025

Legal basis:

I. **Senate Resolution No. CCXCIII/2019** of September 25, 2019 on the adoption of the Regulations of the Doctoral School of the Medical University of Lublin

Period of validity of the Regulations: October 1, 2019 – September 30, 2021

II. **Senate Resolution No. LVIII/2021** of March 24, 2021 on the Regulations of the Doctoral School of the Medical University of Lublin

Period of validity of the Regulations: October 1, 2021 - September 30, 2022

III. **Senate Resolution No. 168/2022** of 27.04.2022 on the Regulations of the Doctoral School of the Medical University of Lublin

Period of validity of the Regulations: October 1, 2022 - September 30, 2023

IV. **Senate Resolution No. 258/2023** of April 26, 2023 on the Regulations of the Doctoral School of the Medical University of Lublin

Senate Resolution No. 304/2023 of September 20, 2023, amending Resolution No. 258/2023 of the Senate of the Medical University of Lublin of 26 April 2023 on the Regulations of the Doctoral School Doctoral Program at the Medical University of Lublin

Period of validity of the Regulations: October 1, 2023 - September 30, 2025

Resolution No. CCXCIII/2019
of the Senate of the Medical University of Lublin

- September 25, 2019

on the adoption of the Regulations of the Doctoral School of the Medical University of Lublin

Pursuant to Article 205(2) of the Act of July 20, 2018, *Law on Higher Education and* Science (Journal of Laws 2018, item 1668, as amended) in conjunction with Article 292 of the Act of July 3, 2018, *Provisions implementingof the Act - Law on Higher Education and Science* (Journal of Laws 2018, item 1669, as amended), the Senate **hereby resolves as follows:**

The Senate of the Medical University of Lublin hereby adopts the Regulations of the Doctoral School, which constitute an appendix to this resolution.

§ 2

1. The Regulations of the Doctoral School shall enter into force on October 1, 2019.
2. If, within 3 months of the adoption of these Regulations, the Doctoral Student Council expresses its objection to their content, the Senate of the University shall adopt a new resolution in the event of a disagreement.

§ 3

This resolution shall enter into force on the date of its adoption.

Chair of the Senate
Rector of the Medical University of Lublin

Prof. Andrzej Drop

Appendix to Resolution No. CCXCIII/2019
of the Senate of the Medical University of Lublin
of September 25, 2019

REGULATIONS OF THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

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I. GENERAL PROVISIONS

§ 1

The terms used in these Regulations shall be understood as follows:

1) University/UML – Medical University of Lublin,
2) Senate – Senate of the Medical University of Lublin,
3) Doctoral School – Doctoral School of the Medical University of Lublin,
4) Director – Director of the Doctoral School of the Medical University of Lublin,
5) Scientific Council/Council – Scientific Council of the Doctoral School of the Medical University of Lublin,
6) Act – Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws 2018, item 1668, as amended),
7) Statute – Statute of the Medical University of Lublin of June 26, 2019 (Resolution No. CCLXXXI/2019 of the Senate of the Medical University of Lublin of June 26, 2019),
8) Regulations – Regulations of the Doctoral School of the Medical University of Lublin,
9) Doctoral Student – a person undergoing education at the Doctoral School of the Medical University of Lublin
10) Research Plan – Individual Research Plan
11) PRK – Polish Qualifications Framework
12) Office – Doctoral School Office
13) Mid-Term Committee – Mid-Term Evaluation Committee

§ 2

1. The provisions of these Regulations apply to full-time education at the Doctoral School.
2. Education at the Doctoral School is organized on the basis of the Act, executive acts to this Act, and the Statute. The education of foreigners may also be regulated by separate provisions.
3. Education at the Doctoral School prepares students for obtaining a doctoral degree.
4. Candidates with a master's degree, master's degree in engineering, or equivalent are admitted to the Doctoral School. In exceptional cases, justified by the highest quality of scientific achievements, graduates of first-cycle studies or students who have completed the third year of uniform master's studies are also admitted.

5. Education at the Doctoral School creates conditions for:
   1) independent work by doctoral students,
   2) scientific cooperation in national and international research teams,
   3) publication of scientific articles by doctoral students in peer-reviewed journals,
   4) the preparation of a doctoral dissertation under the supervision of a supervisor or supervisors, or under the guidance of a supervisor and an assistant supervisor,
   5) completion of the Doctoral School's education program, including compulsory and optional classes in the form of lectures, exercises, seminars, and professional internships,
   6) conducting scientific research under the supervision of a supervisor or supervisors, or under the supervision of a supervisor and an assistant supervisor,
   7) participating in scientific activities in Poland and abroad.
6. Education may be conducted according to the curriculum of the Doctoral School or according to a curriculum that includes elements common with the curriculum of another Doctoral School.
7. Education may be conducted according to an individual education plan.
8. Completion of the education program at the Doctoral School leads to the achievement of learning outcomes for qualifications at level 8 of the Polish Qualifications Framework, as defined in the Act on the Integrated Qualifications System and its implementing provisions.

§ 3

1. Doctoral students of the Doctoral School form a Doctoral Student Council.
2. The Doctoral Student Council operates on the basis of the provisions of the Doctoral Student Council Regulations.

II. ORGANIZATION OF THE DOCTORAL SCHOOL

§ 4

1. The university offers education at the Doctoral School in the field of medical sciences and health sciences, in the following disciplines:
   1) pharmaceutical sciences,
   2) medical sciences,
   3) health sciences.
2. Detailed rules and procedures for admission to the Doctoral School are governed by separate regulations.

§ 5

1. The Doctoral School is managed by the Director.
2. The Director is always the Vice-Rector for the Doctoral School and Postgraduate Education.
3. The Director of the Doctoral School:
   1) supervises the implementation of the curriculum at the Doctoral School,
   2) approves the Research Plan of individual doctoral students and any changes made to them,
   3) conducts an annual assessment of the progress made by individual doctoral students in implementing their Research Plans,
   4) makes decisions on the completion of subsequent years of education at the Doctoral School,
   5) makes decisions on conducting assessments in the form of a committee and appoints a committee to conduct such assessments,
   6) extends the deadline for submitting a doctoral dissertation (completion of the Research Plan),
   7) grants permission to suspend education at the Doctoral School,
   8) in justified cases, submits a request to the Scientific Council to change the supervisor,
   9) decides on the removal of a doctoral student from the list of doctoral students of the Doctoral School,

10) grants doctoral students permission for vacation breaks,

11) grants the doctoral student leave.

§ 6

1. The Doctoral School has a Scientific Council.
2. A member of the Scientific Council may be an employee holding the academic title of professor or the academic degree of habilitated doctor, employed at the university on a full-time basis.
3. The Council includes a representative of the Doctoral Student Council.
4. The Scientific Council exercises substantive supervision over education at the Doctoral School.
5. The Scientific Council is responsible for:
   1) develop, after consulting the Doctoral Student Council, the curriculum of the Doctoral School,
   2) approve the manner in which classes are organized at the Doctoral School,
   3) assess the merits of the Individual Research Plan,
   4) determine the method of conducting the mid-term evaluation,
   5) appoint a supervisor, supervisors, or assistant supervisor for doctoral dissertations,
   6) make changes to the supervisor, supervisors, or assistant supervisor of doctoral dissertations.

§ 7

The organizational unit of the administration directly responsible for the administrative support of doctoral students is the Doctoral School Office.

§ 8

1. The Student Portal and Lecturer Module are personalized websites integrated with the current database of the University's Integrated IT System in areas related to the course of study, made available to doctoral students and teaching staff.
2. Education at the Doctoral School is conducted in accordance with the curriculum adopted by the Senate, developed by the Scientific Council, and posted on the Student Portal or on the University's website no later than 5 months before the start of recruitment.
3. Detailed class schedules are communicated to doctoral students before the start of each semester.
4. All classes are subject to anonymous evaluation by doctoral students as part of the quality monitoring of education.

III. EDUCATION RULES

§ 9

1. Education at the Doctoral School lasts four years/8 semesters.
2. The academic year begins at the start of the winter or summer semester, as specified by the Rector's Order for a given academic year, and lasts until September 30 of the following calendar year, with the proviso that doctoral students beginning their education in the summer semester follow a detailed class schedule starting from the nearest winter semester.
3. Doctoral students admitted during the third recruitment period, whose research project is related to the implementation of a project financed from external funds at the University, which provides for the participation of doctoral students, begin their studies in the summer semester.
4. The credit period for education at the Doctoral School is the academic year.

5. A person admitted to the Doctoral School acquires the rights of a doctoral student upon matriculation, submission, and signing of the oath, the content of which is specified in Appendix No. 1 to these Regulations.
6. The course of education at the Doctoral School is documented:
   1) in course completion reports prepared in the form of electronic printouts,
   2) in periodic cards achievements doctoral student prepared in the form of electronic printouts,
   3) in reports on the implementation of the Research Plan.
7. Doctoral students of the Doctoral School receive a doctoral student ID card.
8. A person who has completed their education at the Doctoral School or has been removed from the list of doctoral students of the Doctoral School is required to return their doctoral student ID card before receiving a certificate confirming the achievement of learning outcomes for the level 8 PRK qualification at the Doctoral School.

§ 10

1. Education at the Doctoral School is conducted on the basis of the curriculum and the Individual Research Plan.
2. Within 12 months of the start of education, the doctoral student, in consultation with the supervisor or supervisors, develops a Research Plan and submits it to the Scientific Council.
3. After the Research Plan has been reviewed by the Council, it is forwarded to the Director for approval.
4. The Research Plan includes, in particular, a schedule for the preparation of the doctoral dissertation and the date of its submission.
5. Halfway through the period of study, but no later than during the fourth semester, the implementation of the Research Plan is subject to a mid-term evaluation.

§ 11

1. A doctoral student of the Doctoral School remains under the scientific supervision of a supervisor or supervisors, or a supervisor and an assistant supervisor.
2. The supervisor may be an academic teacher who holds at least a postdoctoral degree in a given scientific discipline and has current scientific achievements published in the last 5 years in a discipline related to the subject of the doctoral dissertation in a scientific journal from the the "List of scientific journals and peer-reviewed materials from international conferences" with an assigned number of points and an impact factor other than zero in the Journal Citation Reports (JCR) database.
3. A supervisor may be a person who does not meet the conditions specified in paragraph 2 and who is an employee of a foreign university or scientific institution.
4. A supervisor may not be a person who, in the last 5 years:
   1) has been a supervisor of 4 doctoral students who have been removed from the list of doctoral students due to a negative mid-term evaluation result,
   or
   2) supervised the preparation of dissertations by at least two persons applying for a doctoral degree who did not receive positive reviews in the doctoral degree award procedure.
5. A supervisor may supervise no more than five doctoral students in total from doctoral studies and the Doctoral School.

§ 12

1. The supervisor's tasks include, in particular:

1) developing a Research Plan with the doctoral student, including, among other things, a schedule for the preparation of the doctoral dissertation and its submission date, and presenting it to the Scientific Council within 12 months from the date of commencement of education, but no later than before the end of the summer semester of the first year of education at the Doctoral School;
2) providing doctoral students with assistance in their academic work;
3) providing funds for the doctoral student's research within the limits of the funds available to or obtainable by the unit;
4) continuously assessing the progress of the doctoral student's scientific work by analyzing and evaluating the implementation of the doctoral student's Research Plan;
5) submitting an opinion on the doctoral student's implementation of the Research Plan to the Scientific Council at the end of each year of study;

2. In the event of a negative assessment of the doctoral student's implementation of the Research Plan, the supervisor may:
   1) at the doctoral student's request, submit a request to the Director of the Doctoral School to change the Research Plan,
   2) request the Director of the Doctoral School to remove the doctoral student from the list of doctoral students of the Doctoral School due to unsatisfactory progress in the preparation of the doctoral dissertation.

§ 13

1. The Scientific Council shall appoint a supervisor or supervisors for the doctoral dissertation within 3 months of the date of commencement of education, based on the subject of the research project presented in the qualification procedure for the Doctoral School.
2. If the academic teacher indicated in the recruitment process is unable to supervise the doctoral dissertation, the Council shall appoint another supervisor from among the academic teachers of the University, within the thematic area of the doctoral dissertation being prepared.
3. In addition, at the request of the supervisor, the Scientific Council may appoint a second supervisor or an assistant supervisor.

§ 14

1. An assistant supervisor may be a person holding a doctoral degree.
2. The assistant supervisor in doctoral degree proceedings performs an auxiliary function in supervising the doctoral student, in particular in the process of conducting research and analyzing results.
3. The assistant supervisor reviews the doctoral student's Individual Research Plan before it is presented to the Scientific Council by the doctoral student.

§ 15

1. In justified cases, the Scientific Council may change the supervisor or supervisors.
2. The Scientific Council makes changes to the supervisor or supervisors upon request, within 14 days of its submission.
3. The supervisor or doctoral student may apply to the Scientific Council for a change of supervisor or supervisors of the doctoral dissertation.
4. In exceptional circumstances, the Director of the Doctoral School may request a change of supervisor or supervisors.

§ 16

1. The implementation of the Individual Research Plan is subject to a mid-term evaluation.

2. The mid-term evaluation is carried out halfway through the period of study, but no later than during the fourth semester.
3. The mid-term evaluation is conducted by the Mid-Term Evaluation Committee, consisting of three persons.
4. The Committee referred to in paragraph 3 shall include at least one person holding a postdoctoral degree or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University.
5. The supervisor and assistant supervisor may not be members of the Committee referred to in paragraph 3.
6. The mid-term evaluation shall include the following stages and shall be carried out in the following order:
   1) assessment of the doctoral student's completion of the curriculum,
   2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan,
   3) timeliness of the doctoral dissertation preparation schedule,
   4) presentation by the doctoral student on his or her achievements to date,
   5) discussion with the members of the Commission referred to in paragraph 3 on the doctoral student's presentation,
   6) determination by the Committee referred to in paragraph 3 of the outcome of the mid-term evaluation.
7. The mid-term evaluation shall result in a positive or negative outcome.
8. A negative result must be justified and disclosed to the doctoral student.
9. A negative result of the mid-term evaluation shall result in the doctoral student being removed from the list of doctoral students of the Doctoral School.

§ 17

1. Classes at the Doctoral School may be taught by academic teachers with at least a doctoral degree, with the exception of foreign language teachers.
2. Classes for doctoral students are conducted in Polish or English in the form of compulsory and optional classes, completed with credits, on dates specified in a detailed class schedule.
3. Upon a justified request addressed to the Scientific Council, the content of the Doctoral School's curriculum may be completed in the form of self-study, at the end of which the doctoral student takes the exams provided for in the curriculum.
4. The verification and assessment of learning outcomes achieved outside the Doctoral School is carried out by the Director, after consulting the person responsible for the subject and the Scientific Council of the Doctoral School.
5. The curriculum and the number of instructional hours are defined by the educational program of the Doctoral School, established by the Scientific Council on the basis of the learning outcomes for qualifications at PRK level 8 adopted by the Senate.
6. The size of groups in classes is determined by the Rector's Order of the University of Medical Sciences.
7. For credit purposes, the academic year is divided as specified in the UML Rector's Order and the following rules apply:
   1) the dates of assessments are set and communicated to doctoral students by the lecturers at the beginning of the classes,
   2) two assessment dates are set for each assessment, with the proviso that the first assessment date is set after the end of the course, but no later than two weeks after the last class.
8. A doctoral student who has experienced exceptional circumstances may submit a request to the Director for an additional assessment.
9. The Doctoral School Office receives information from the lecturers about the set dates for assessments and monitors them in relation to doctoral students.
10. The results of the assessments are entered into electronic records by the lecturers.

11. The publication of results related to the doctoral education process is permitted in electronic form or as information displayed in the notice board of the University's organizational unit, in a manner agreed between the lecturer and the doctoral students. The published information may include the doctoral student's album number and the result of the assessment.
12. It is permissible to record (film) classes, credits, exams, and meetings with doctoral students, i.e., to capture images using image recording devices (without sound).
13. Recording will be carried out exclusively on devices owned by the Medical University of Lublin.
14. Recordings will be stored only on devices owned by the University.
15. Doctoral students will be informed of the planned recording before it begins.
16. The above-mentioned recording will be made for archival purposes and for the purpose of pursuing claims and defending against claims. The recorded image will not be made available on the University's websites or made public in any way. Access to the recordings will be limited to doctoral students and entities authorized to access this data.

§ 18

1. A doctoral student who raises objections regarding the correctness of the course assessment may, within 7 days of the date of the assessment, submit a written, justified request to the Director of the Doctoral School to conduct the assessment in the form of a committee assessment, known as a committee assessment.
2. The right to submit a request for a committee assessment also applies to the person conducting and assessing the course.
3. The Director may order a committee assessment on his own initiative.
4. The Director shall appoint a committee to conduct the committee assessment within 7 days of receiving the request.
5. The committee referred to in paragraph 5 shall consist of:
   1) a member of the Scientific Council appointed by the Director as Chair,
   2) the doctoral student's supervisor or supervisors,
   3) a person previously evaluating the doctoral student, and in the circumstances preventing her from participating in the assessment – a specialist in the given or related discipline,
   4) professor or habilitated doctor – specialist in a given discipline,
   5) a representative of the Doctoral Student Council appointed by the doctoral student.
6. The result of the committee assessment is entered into the minutes by the Chair of the Committee.
7. The committee assessment should take place no earlier than 7 days and no later than 14 days from the date of receipt of the application.
8. The committee assessment takes place at the Doctoral School Office on a date set by the Director in the form of an oral examination.
9. The scope of the committee assessment shall not exceed the topics presented to the doctoral student before the start of the classes.

§ 19

1. In relation to a doctoral student who has not passed the academic year or has not met other requirements for continuing education at the Doctoral School, the Director shall decide on:
   1) conditional enrollment for the next year of study,
   2) repeating one failed subject from the first year while continuing education in the second year, with the proviso that the repeated subject must be passed no later than the mid-term assessment,

   or issue an administrative decision on:

3) removal from the list of doctoral students of the Doctoral School.

2. The decisions referred to in section 1 points 1-2 shall be made by the Director upon a written request of the doctoral student submitted no later than 5 days from the date of receiving the pass results.
3. The right to repeat a course with continuation of education and the right to repeat more than one course without the right to continuation of education is granted to a doctoral student once during their education at the Doctoral School.

§ 20

The Director may grant a doctoral student who has not passed a course conditional admission to the next academic year, with the obligation to fulfill the condition within the time limit specified in the decision of the Director of the Doctoral School, but no later than October 30.

§ 21

1. The transfer to the Doctoral School of a doctoral student studying at another doctoral school shall take place with the consent of the Director of the Doctoral School, after the Scientific Council has reviewed the application, at the beginning of each semester.
2. A doctoral student may transfer from another doctoral school to the Doctoral School, within the disciplines in which education is conducted at the Doctoral School, after completing the first semester/year.
3. When evaluating the application, the Director takes into account the opinion of the previous supervisor and the positive opinion of the supervisor proposed in the application.
4. In the decision on the transfer, the Director specifies the obligation to make up for differences in the program within the time limit and on the terms resulting from the organizational capabilities of the University.
5. If the Director's decision is negative, the student has the right to submit a request to the Rector for reconsideration of the case.

§ 22

1. The duration of professional internships at the Doctoral School, as required by the curriculum, is 80 teaching hours for the entire course of study, subject to paragraphs 2, 6, and 7.
2. During their education at the Doctoral School, doctoral students complete professional internships:
   1) in the form of participation as an observer in classes conducted in the amount of 20 teaching hours,

   and

   2) in the form of classes conducted independently, amounting to 60 teaching hours, after prior participation in classes as an observer.
3. Professional internships should be completed during the first or second year of education. In justified cases, at the request of the head of the teaching unit where the doctoral student conducts classes or at the request of the supervisor, the completion of professional internships may be postponed to subsequent years of education. This decision is made by the Director.
4. A doctoral student conducting classes in a unit where no overtime hours are planned for a given academic year may, at the request of the head of that unit submitted to the Director, conduct part of the classes in another teaching unit. The referral of a doctoral student to another teaching unit shall be made in consultation with the Education Department and the head of that unit, in accordance with the doctoral student's professional qualifications. The decision to refer a doctoral student to another teaching unit of the University shall be made by the Director of the Doctoral School.
5. Participation in teaching activities by doctoral students and the independent teaching of classes

by doctoral students shall be assessed on the basis of the Doctoral Student Professional Practice Card, constituting Appendix No. 2 to these Regulations.

6. Participation of a doctoral student in research projects financed from external sources, carried out on a task-based basis, entitles the supervisor to apply to the Director for a reduction in the number of teaching hours for the doctoral student to a minimum of 20 hours, including at least 10 hours performed independently.
7. If the doctoral student's absence from the University lasts at least one year, the number of hours taught independently may be reduced, but not to less than 30 teaching hours. The reduction in teaching hours is made by the Director at the request of the head of the teaching unit where the doctoral student performs teaching hours, in consultation with the supervisor.
8. A doctoral student returning from maternity leave, leave on the terms of maternity leave, paternity leave, and parental leave, as specified in separate regulations, or after a documented medical certificate of illness lasting longer than 2 months, the unfulfilled obligation to complete professional practice in the form of teaching classes or participating in their teaching may be transferred to the next academic year.
9. A doctoral student of the Doctoral School employed as an academic teacher, conducting classes at the University, has completed their professional practice.

IV. BREAKS AND RULES FOR EXTENDING EDUCATION AT THE DOCTORAL SCHOOL

§ 23

1. Doctoral students are entitled to breaks of up to 8 weeks per year.
2. A doctoral student shall submit a request for a break to the Director of the Doctoral School after obtaining the consent of their supervisor or supervisors. A template for the request is provided in Appendix No. 3.

§ 24

1. The deadline for submitting a doctoral dissertation, specified in the Research Plan, may be extended, but not longer than by 2 years, in accordance with the rules set out in these regulations.
2. At the request of the doctoral student, after consulting the supervisor or supervisors, the Director may extend the deadline for submitting the doctoral dissertation in justified and documented cases related to:
   1) the necessity to conduct long-term scientific research – no longer than 1 year,
   2) temporary inability of the doctoral student to pursue education due to illness lasting longer than 3 months,
   3) personal care for a sick family member,
   4) personal care of a child under 4 years of age or a child with a certified disability,
   5) possession of a disability certificate.
3. An application for an extension of the submission of a doctoral dissertation on the basis of section 2(1) shall include a justification confirmed by the supervisor.
4. The application referred to in section 2 points 2-5 shall be accompanied by documents confirming the grounds for extending the period of education at the Doctoral School. A template of the application is provided in Appendix No. 4 to these regulations.
5. In the event of an extension of the period of study at the Doctoral School, no doctoral scholarship shall be awarded for that period.

§ 25

1. The Director of the Doctoral School shall suspend, at the request of the doctoral student, the period of education at the Doctoral School for a period corresponding to the duration of maternity leave, leave on the terms of maternity leave, paternity leave, and parental leave, as specified in separate regulations, while exempting the doctoral student from the obligation to attend classes.
2. A template for the application for suspension of education at the Doctoral School is attached as Appendix No. 5 to these regulations.
3. The application referred to in paragraph 2 shall be accompanied by documents confirming the grounds for suspension of education at the Doctoral School referred to in paragraph 1.
4. In the event of suspension of education at the Doctoral School, the provisions on determining maternity allowance shall apply accordingly to determine the amount of the doctoral scholarship, with the proviso that the basis for calculating the allowance shall be the amount of the monthly doctoral scholarship due on the date of submission of the application for suspension.

§ 26

1. The Director of the Doctoral School may grant a doctoral student a leave of absence in the event of important unforeseen circumstances other than those specified in § 24(2) of these regulations.
2. Leave is granted for one year of study (two semesters), provided that the first year of study at the Doctoral School has been completed.
3. Leave, under the rules specified in section 1, may be granted once during the course of study at the Doctoral School.
4. During the period of leave referred to in section 1, the doctoral student retains their status as a doctoral student.
5. During the period of leave referred to in paragraph 1, the doctoral student does not receive a doctoral scholarship.
6. A doctoral student returning from the leave referred to in paragraph 1 shall be required to submit a written statement to the Doctoral School Office 2 weeks before the start of the semester, confirming that they are resuming their studies, and to collect their program difference card.
7. A doctoral student who fails to report to the Doctoral School Office within the time limit referred to in paragraph 6 and fails to inform about their return from leave shall be removed from the list of doctoral students.
8. The fact of granting a leave of absence, commencing or not commencing education after its use shall be recorded in the doctoral student's file.

V. RIGHTS AND OBLIGATIONS OF THE DOCTORAL STUDENT

§ 27

Doctoral students are required to:

1) act in accordance with the Regulations of the Doctoral School,
2) act in accordance with the content of the oath,
3) comply with the Statutes, the Regulations of the Doctoral Student Council, and other generally applicable laws and internal regulations of the university,
4) keep confidential any protected information obtained during their education at the Doctoral School, especially patient data, and comply with the rules for handling the information and data obtained, in particular with regard to protecting it against unauthorized access, unjustified modification, or destruction, illegal disclosure or acquisition, as well as use it exclusively for purposes related to activities carried out as part of their education,
5) agree on a Research Plan with the supervisor or supervisors and submit it to the Scientific Council by the end of the first year,

6) to complete the education program and Research Plan on time,
7) participate in domestic and international conferences related to the implementation of the doctoral thesis, as well as in lectures and specialist training courses in Poland or abroad, using the funds allocated for statutory activities or own research of the University unit,
8) conduct scientific research in accordance with the Research Plan and submit annual reports on its implementation to the supervisor(s) and the Council,
9) undertake professional practice in the form of teaching or participating in teaching at the University's organizational units.

§ 28

A doctoral student has
the right to:
1) acquire knowledge in the chosen discipline, develop their own scientific interests,
2) to receive scientific supervision and conduct scientific research, as well as to participate in research work conducted by the University,
3) extend their education at the Doctoral School on the terms specified in these regulations,
4) in justified cases, to carry out part of their doctoral thesis outside the University on the basis of secondment,
5) undertake domestic and foreign research internships related to the completion of their doctoral thesis, using the funds allocated for scientific activity, with the consent of their supervisor or supervisors and the Director, provided that the trip does not result in an extension of their education at the Doctoral School,
6) use the University's teaching facilities, sports facilities, equipment, and resources, as well as assistance from academic teachers and University bodies,
7) join university doctoral student organizations,
8) be covered by social security and universal health insurance, in accordance with the rules laid down in separate regulations,
9) receive awards and distinctions,
10) receive financial assistance on the terms specified in the Regulations for granting financial assistance to students and doctoral students of the University,
11) participate in scheduled consultations,
12) to insurance liability civil in the scope of activities related to conducting scientific research and teaching in the form of professional internships,
13) evaluate the forms of teaching conducted in the University's organizational units through the Student Portal, evaluate the teaching work of academic teachers, the work of the Doctoral School Office, and have access to the results of reports via the University's website, in accordance with the rules specified in the Rector's Order.

§ 29

1. A doctoral student who does not hold a doctoral degree receives a doctoral scholarship, provided that the total period of receiving the doctoral scholarship does not exceed 4 years.
2. The period referred to in paragraph 1 does not include the payment of a doctoral scholarship during the period of suspension of education.
3. The rules for awarding doctoral scholarships are set out in the Act of July 20, 2018, on Higher Education and Science (Journal of Laws 2018, item 1668, as amended).

§ 30

1. A doctoral student with a specified degree of disability has the right to pursue their studies and participate in scientific research.
2. The University ensures that the needs resulting from the type of disability are met by adapting buildings and rooms to the needs of people with motor disabilities (ramps, elevators, toilets), providing access to audiovisual equipment for people with hearing and visual impairments, and offering rehabilitation classes at the swimming pool.
3. The university provides assistance in solving the problems and needs of persons with disabilities through the Rector's Representative for Students with Disabilities.
4. A doctoral student with a specific degree of disability who does not hold a doctoral degree is entitled to a doctoral scholarship increased by 30% of the monthly doctoral scholarship amount.

§ 31

1. A doctoral student of the Doctoral School may be employed as an academic teacher or research and technical employee if they meet at least one of the following conditions:
   1) they are implementing a University Project financed from external funds that provides for the participation of a doctoral student,
   2) has completed a mid-term evaluation with a positive result,
   3) is not entitled to a doctoral scholarship.
2. Doctoral student is obliged immediately notify the Office of taking upemployment at the University.
3. The performance of the work referred to in paragraph 1 shall not interfere with the activities resulting from the education program.

§ 32

Doctoral students may not engage in political activities or distribute materials with political content on the University premises.

VI. DISCIPLINARY RESPONSIBILITY OF DOCTORAL STUDENTS

§ 33

1. Doctoral students of the Doctoral School shall be subject to disciplinary responsibility for violating the regulations in force at the University and for acts that undermine the dignity of a doctoral student.
2. Disciplinary matters shall be adjudicated by the Disciplinary Committee for Doctoral Students and the Appeals Disciplinary Committee for Doctoral Students, appointed from among academic teachers and doctoral students, for the term of office of the University authorities in accordance with the procedure specified in the Statutes.

VII. REMOVAL FROM THE LIST OF DOCTORAL STUDENTS

§ 34

1. A doctoral student of the Doctoral School who:
   1) has received a negative mid-term evaluation result,
   2) has not submitted a doctoral dissertation within the time limit specified in the Research Plan,
   3) has resigned from education at the Doctoral School,

   is removed from the list of doctoral students of the Doctoral School.
2. A doctoral student of the Doctoral School who:
   1) fails to fulfill his or her obligations, in particular:
      a) does not complete the required credits within the prescribed time limit,
      b) does not complete the Research Plan on time,

c) grossly neglects other duties arising from the implementation of the education program,

2) makes unsatisfactory progress in the preparation of their doctoral dissertation, may be removed from the list of doctoral students of the Doctoral School.

3. A doctoral student who has not resumed their education after the period of suspension referred to in § 25 (1) or the leave referred to in § 26 (1) shall be removed from the list of doctoral students of the Doctoral School.
4. A doctoral student who has not submitted their doctoral dissertation during the extension period referred to in § 24 (1-2) shall be removed from the list of doctoral students of the Doctoral School.
5. A doctoral student who fails to pass a repeated course referred to in § 19 (1-2) shall be removed from the list of doctoral students of the Doctoral School.

§ 35

1. The decision to remove a doctoral student from the list referred to in § 27 shall be made by the Director of the Doctoral School.
2. The Director shall immediately notify the relevant supervisor and the Scientific Council of the removal of a doctoral student from the list.
3. A person removed from the list of doctoral students of the Doctoral School has the right to request the Rector to reconsider the case within 14 days of receiving the decision.
4. The decision of the Rector of the Doctoral School is final.

VIII. COMPLETION OF EDUCATION

§ 36

1. Education at the Doctoral School ends with the submission of a doctoral dissertation in accordance with the procedure specified in the relevant resolution of the University Senate, which requires the submission of the relevant document to the Doctoral School Office.
2. A doctoral student who has completed education at the Doctoral School receives a certificate of learning outcomes for qualifications at level 8 of the Polish Qualifications Framework.
3. At the request of the doctoral student, the Office shall issue a certificate of completion of classes within the framework of the Doctoral School's education program.
4. The procedures for awarding a doctoral degree at the University are governed by separate regulations.

IX. FINAL PROVISIONS

§ 37

The Regulations shall enter into force on the date specified in the Senate resolution introducing them.

Resolution No. LVIII/2021
of the Senate of the Medical University of Lublin

- March 24, 2021

on the **Regulations of the Doctoral School of the Medical University of Lublin**

Pursuant to Article 205 of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws of 2021, item 478) and § 23 point 21 of the Statutes of the Medical University of Lublin of June 26, 2019, the Senate hereby resolves as follows:

§ 1

The Senate of the Medical University of Lublin hereby adopts the Regulations of the Doctoral School, constituting an Appendix to this resolution.

§ 2

If, within 3 months of the adoption of these Regulations, the Doctoral Student Council expresses its objection to their content, the Senate of the University shall adopt a new resolution in the event of a disagreement.

§ 3

This resolution shall enter into force on October 1, 2021.

Chair of the Senate
Rector of the Medical University of Lublin

Prof. Wojciech Załuska

Annex to the Act no LVIII/2021
of the Senate of Medical University of Lublin
from 24th March 2021

STATUTE REGULATIONS FOR THE DOCTORAL SCHOOL OF MEDICAL UNIVERSITY OF LUBLIN

The Contents

- **I. General provisions**
- **II. Organization of the Doctoral School**
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- **VI. Disciplinary responsibility of doctoral students**
- **VII. Removal from the list of doctoral students**
- **VIII. Completion of education**

I. GENERAL PROVISIONS

§ 1

The terms used in these Regulations should be understood as:

1) the University / UMLUBUB - Medical University of Lublin,
2) the Senate - the Senate of Medical University of Lublin,
3) the Doctoral School – The Doctoral School of Medical University in Lublin,
4) the Director – The Director of the Doctoral School of Medical University of Lublin,
5) the Scientific Council / the Council – The Scientific Council of the Doctoral School of Medical University of Lublin,
6) the Act - The Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2021, item 478),
7) the Statute - the Statute of Medical University of Lublin of June 26, 2019 (Resolution No. CCLXXXI / 2019 of the Senate of Medical University of Lublin of June 26, 2019),
8) the Regulations – the Regulations of the Doctoral School of Medical University of Lublin,
9) the Doctoral student – an individual undergoing education at the Doctoral School of Medical University in Lublin,
10) the research Plan - Individual Research Plan,
11) PRK - Polish Qualifications Framework,
12) the Office - Doctoral School Office,
13) the Mid-term Committee - Mid-term Evaluation Committee.

§ 2

1. The provisions of these Regulations apply to education at the Doctoral School conducted in the full-time form.

2. Education at the Doctoral School is organized on the basis of the Act, executive regulations to this Act and the Statute. The education of foreigners may also be regulated by separate regulations.
3. Education at the Doctoral School prepares students to obtain the doctoral degree.
4. The Doctoral School admits candidates with the professional title of magister, magister in engineering or equivalent, or in exceptional cases justified by the highest quality of scientific achievements, graduates of first-cycle studies or students who have completed the third year of uniform master's studies are admitted.
5. Education at the Doctoral School creates conditions for:
   1) independent work of the doctoral student,
   2) scientific cooperation in research teams, of national and international character,
   3) the doctoral student publishes scientific articles in peer-reviewed journals,
   4) preparation of a doctoral dissertation by the doctoral student under the supervision of the supervisor or under the supervision of the supervisor and auxiliary supervisor,
   5) implementation of the Doctoral School education program, including compulsory classes and optional ones, in the form of lectures, exercises, seminars and apprenticeships,
   6) conducting scientific research under the supervision of the supervisor or under the supervision of the supervisor and an auxiliary supervisor,
   7) participation in the activities of the scientific community in the country and abroad.
6. Education may be conducted according to the program of the Doctoral School, a program including elements common to the program of another Doctoral School.
7. Education may be conducted according to an individual education plan.
8. The implementation of the education program at the Doctoral School leads to the achievement of learning outcomes for qualifications at level 8 of the Polish Qualifications Framework specified in the Act on the Integrated Qualifications System and implementing provisions.

§ 3

1. Doctoral students of the Doctoral School form the Doctoral Student Self- Government.
2. The Doctoral Students 'Self-Government operates on the basis of the Doctoral Students' Self-Government Regulations.

II. ORGANISATION OF THE DOCTORAL SCHOOL

§ 4

1. The University educates at the Doctoral School in the field of medical sciences and sciences on health, in the following disciplines:
   1) pharmaceutical sciences,
   2) medical sciences,
   3) health sciences.
2. Detailed rules and procedures of recruitment to the Doctoral School are regulated by separate regulations.

§ 5

1. The Doctoral School is managed by the Director.
2. Director of the Doctoral School:
   1) supervises the implementation of the education program at the Doctoral School,
   2) approves the Research Plan of individual doctoral students and changes made to it,
   3) performs an annual assessment of the progress in the implementation of the Research Plan of individual doctoral students,
   4) makes decisions on crediting subsequent years of education at the Doctoral School,

5) makes decisions on the completion of the credit in the form of a commission and appoints a commission conducting the credit,
6) extends the deadline for submitting the doctoral dissertation (implementation of the Research Plan),
7) grants consent for the suspension of education at the Doctoral School,
8) in justified cases, submits a request to the Scientific Council to change the supervisor,
9) decides to remove the doctoral student from the list of doctoral students of the Doctoral School,
10) grants consent to the doctoral student for holiday breaks.

§ 6

1. The Scientific Council of the Doctoral School operates in the Doctoral School.
2. A member of the Scientific Council may be an employee with the academic title of professor or the academic degree of habilitated doctor employed full-time at the University.
3. The Council is composed of a representative of the Doctoral Students' Self-Government.
4. The Scientific Council supervises the content of education at the Doctoral School.
5. The Scientific Council is obliged to:
   1) develop, after consulting the Doctoral Students' Self-Government, the education program at the Doctoral School,
   2) approve the method of organizing classes conducted at the Doctoral School,
   3) substantively evaluate the Individual Research Plan,
   4) define the manner of conducting the mid-term evaluation,
   5) appoint a supervisor, supervisors or an auxiliary supervisor of doctoral dissertations,
   6) make changes to the supervisor, supervisors or auxiliary supervisor of doctoral dissertations.

§ 7

The organizational unit of administration dealing with administrative support for doctoral student education is the Doctoral School Office.

§ 8

1. The Student Portal and the Lecturer Module are personalized websites, integrated with the current database of the Integrated IT System of the University in the areas related to the course of education, made available to PhD students and teaching staff.
2. Education at the Doctoral School follows the curriculum developed by the Scientific Council and adopted by the Senate, posted on the Student Portal or on the University's website, no later than 5 months before the start of recruitment.
3. Detailed schedules of classes are made available to doctoral students before the beginning of a given semester.
4. All classes, as part of the monitoring of the quality of education, are subject to anonymous evaluation by doctoral students.

III. REGULATIONS FOR EDUCATIONAL PROCESS

§ 9

1. Education at the Doctoral School lasts four years / 8 semesters.

2. The year of education begins with the beginning of the winter semester or the summer semester, as specified in the Rector's Ordinance for a given academic year, and lasts until September 30 of the following calendar year, with the proviso that a doctoral student commencing education in the summer semester follows a detailed schedule of classes starting from the next winter semester.
3. The period of education at the Doctoral School is the academic year.
4. An individual admitted to the Doctoral School acquires the rights of a doctoral student upon matriculation, submission and signing of the oath, the content of which is set out in Annex 1 to these Regulations.
5. The course of education at the Doctoral School is documented:
1) in the course credit reports prepared in the form of electronic printouts,
2) in periodical cards of the doctoral student's achievements prepared in the form of electronic printouts,
3) in the mid-term report on the implementation of the Individual Research Plan, the template of which is set out in Annex 6 (for the second year),
4) in reports on the implementation of the Individual Research Plan, the template of which is set out in Appendix No. 7 (for years III, IV and extension).
6. A doctoral student of the Doctoral School receives a doctoral student ID.
7. An individual who completed education at the Doctoral School or was removed from the list of doctoral students of the Doctoral School is obliged to return the doctoral student ID before receiving a certificate confirming the achievement of learning outcomes for qualifications at the PQP level 8 at the Doctoral School.

§ 10

1. Education at the Doctoral School is conducted on the basis of the education program and the Individual Research Plan.
2. Within 12 months from the date of commencement of education, the doctoral student, in consultation with the supervisor or supervisors, prepares a Research Plan and presents it to the Scientific Council.
3. After the Research Plan has been approved by the Board, it shall be submitted to the Director for approval.
4. The Research Plan includes in particular the schedule for the preparation of the doctoral dissertation and the date of its submission.
5. In the middle of the training period, but not later than during the fourth semester, the implementation of the Research Plan is subject to a mid-term evaluation.

§ 11

1. A doctoral student of the Doctoral School remains under the scientific supervision of the supervisor or supervisors or the supervisor and the auxiliary supervisor.
2. The supervisor may be an academic teacher with at least a postdoctoral degree in a given or related scientific discipline and with scientific achievements published in the last 5 years in journals included in the lists of scientific journals and reviewed materials from international conferences of MEiN with an assigned discipline consistent with the topic of the doctoral dissertation and with the Impact Factor.
3. The supervisor may be a person who does not meet the conditions specified in sec. 2, who is an employee of a foreign university or research institution.
4. The supervisor may not be a person who in the last 5 years:
1) was the supervisor of 4 doctoral students who were removed from the list of doctoral students due to a negative result of the mid-term evaluation, or

2) supervised the preparation of the dissertation by at least 2 applicants for the doctoral degree who did not receive positive reviews in the proceedings for the award of the doctoral degree.

5. The supervisor may take care of no more than 5 doctoral students, including doctoral studies and the doctoral school.

6. Regarding the number of doctoral students referred to in para. 5, doctoral students whose research project is financed from external funds providing for the participation of a doctoral student are not included.

§ 12

1. The supervisor's tasks include in particular:
   1) developing a Research Plan with a doctoral student, containing, among others schedule for the preparation of the doctoral dissertation and its submission date as well as its submission to the Scientific Council within 12 months from the date of commencement of education, but not later than before the end of the summer semester of the first year of education at the Doctoral School;
   2) assisting the doctoral student in scientific work;
   3) providing funds for the implementation of research conducted by the doctoral student within the resources available or which may be obtained by the unit;
   4) continuously assessing the progress of the doctoral student's research work by analyzing and evaluating the implementation of the doctoral student's Research Plan;
   5) presentation of the opinion to the Scientific Council on the implementation of the Research Plan by the doctoral student at the end of each education year;
2. In the event of a negative evaluation of the implementation of the Research Plan by the doctoral student, the supervisor may:
   1) at the request of the doctoral student, submit a request to the Director of the Doctoral School to amend the Research Plan,
   2) apply to the Director of the Doctoral School to remove the doctoral student from the list of doctoral students of the Doctoral School due to unsatisfactory progress in the preparation of the doctoral dissertation.

§ 13

1. The Scientific Council appoints the doctoral student's supervisor or supervisors of the doctoral dissertation within 3 months from the date of commencement of education, based on the subject of the research project presented in the qualification procedure for the Doctoral School.
2. If the academic teacher indicated in the recruitment is unable to supervise a doctoral dissertation, the Council appoints another supervisor from among the University's academic teachers, within the thematic area of the doctoral dissertation being prepared.
3. Moreover, at the request of the supervisor, the Scientific Council may appoint a second supervisor or an auxiliary supervisor.

§ 14

1. The auxiliary supervisor may be a person with a doctoral degree.
2. The auxiliary supervisor in the procedure for awarding the doctoral degree plays an auxiliary role in the care of the doctoral student, in particular in the process of research implementation and analysis of the results.
3. The auxiliary supervisor gives an opinion on the PhD student's Individual Research Plan before presenting it to the Scientific Council by the doctoral student.

§ 15

1. In justified cases, the Scientific Council may change the supervisor or supervisors.
2. The supervisor or supervisors are changed by the Scientific Council upon application, within 30 days of its submission.
3. A supervisor or a doctoral student may apply to the Scientific Council for a change of the supervisor or supervisors of a doctoral dissertation.

4. In exceptional circumstances, the Director of the Doctoral School may apply for a change of the supervisor or supervisors.

§ 16

1. The implementation of the Individual Research Plan is subject to a mid-term evaluation.
2. Mid-term evaluation shall be carried out at the mid-point of the training period, but no later than up till the fourth semester.
3. The mid-term evaluation is carried out by the Interim Evaluation Committee, consisting of from 3 people, appointed by the Scientific Council of the Doctoral School.
4. The composition of the Committee referred to in para. 3, includes at least 1 person with the degree of habilitated doctor or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University.
5. The supervisor and the auxiliary supervisor may not be members of the Committee referred to in para. 3.
6. The mid-term evaluation shall consist of the following stages and shall be carried out in the following order:
   1) evaluation of the doctoral student's implementation of the education program,
   2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan,
   3) timely implementation of the schedule for the preparation of the doctoral dissertation,
   4) presentation by the doctoral student concerning his/her achievements to date,
   5) discussion with members of the Committee referred to in para. 3, on the presentation of the doctoral student,
   6) the determination by the Committee referred to in para. 3, the result of the mid-term evaluation.
7. The mid-term evaluation ends with a positive or negative result.
8. Negative assessment requires justification and is open to the doctoral student and supervisor.
9. A doctoral student may appeal against a negative mid-term evaluation to the Director. The deadline for submitting an appeal with justification is 7 days from the date of making the results of the assessment available. The appeal is examined by the Mid-term Evaluation Committee in the new composition. The decision of the Committee is final.
10. If a doctoral student obtains a negative result in the mid-term evaluation, the doctoral student is removed from the list of doctoral students of the Doctoral School.

§ 17

1. Classes at the Doctoral School may be conducted by academic teachers holding at least a doctoral degree, with the exception of foreign language teachers and individuals conducting classes on the principles of financing and managing research grants and scientific information.
2. Classes for doctoral students are conducted in Polish or English in the form of compulsory and optional classes, completed with credits, on the dates provided for in the detailed schedule of classes.
3. Upon a reasoned request to the Scientific Council, the resulting program content from the curriculum at the Doctoral School may be implemented in the form of self-study, at the end of which the doctoral student passes the credits provided for in the education program.
4. Verification and credit of the learning outcomes obtained outside the Doctoral School are made by the Director, after consulting the person responsible for the subject and the Scientific Council of the Doctoral School.
5. The program and hourly number of classes are determined by the curriculum at the Doctoral School established by the Scientific Council on the basis of the learning outcomes for qualifications at the level of PQF 8 adopted by the Senate.
6. The number of groups in classes is determined by the Order of the UMLUB Rector.

7. With credits, the division of the academic year is determined by the Regulation of the Rector of UMLUB and the following rules:
1) completion dates are set and given to doctoral students by the teachers at the beginning of classes,
2) for each completion of the course of credit, 2 credit deadlines are set, with the proviso that the first credit deadline is set after the end of the classes, but not later than after 2 weeks from the last classes.
8. A doctoral student with exceptional random circumstances may submit an application to the Director for additional credit.
9. The results of the credits are entered by the lecturers into electronic protocols.
10. It is allowed to publish the results related to the doctoral student education process in electronic form or in the form of information displayed in the display case of the University organizational unit, in a manner agreed between the teacher and doctoral students. The published information may include the number of the doctoral student's album and the result of the credit.
11. It is allowed to register (record) the course of classes, credits, exams, meetings with doctoral students, i.e. recording the image with the use of image recording devices (without sound).
12. Recording (recording) will be carried out only on devices owned by the Medical University of Lublin.
13. The recordings will be stored only on devices owned by the University.
14. The doctoral students will be informed about the planned registration before the recording starts.
15. The above-mentioned recording will be made for archival purposes and for pursuing claims and defending against claims, the recorded image will not be made available on the University websites or made public in any way. Only doctoral students and entities authorized to access this data will have access to the recordings.

§ 18

1. A doctoral student who raises reservations about the correctness of completing the course may, within 7 days from the date of the course completion, submit a reasoned written request to the Director of the Doctoral School for the completion of the credit in the form of a commission, the so-called commission credit.
2. The person conducting and crediting the classes is also entitled to submit an application for the completion of the examination by the commission.
3. The director may order a commission credit on his own initiative.
4. The Director appoints the commission to conduct the commission test within 7 days from the date of receipt of the application.
5. The composition of the Committee referred to in para. 5, include:
   1) a member of the Scientific Council indicated by the Director as the Chairman,
   2) doctoral student's supervisor or promoters,
   3) a person previously assessing the doctoral student, and in the event of circumstances preventing his participation in the credit - a specialist in a given or related discipline,
   4) professor or habilitated doctor - specialist in a given discipline,
   5) a representative of the Doctoral Students' Self-Government indicated by the doctoral student.
6. The result of the examination by the commission is entered into the minutes by the Chairman of the Commission.
7. Examination by the commission should take place not earlier than 7 days and not later than 14 days from the date of receipt of the application.
8. The examination by the commission takes place at the Doctoral School Office on the date specified by the Director orally.
9. The scope of the commission examination does not exceed the issues presented to the doctoral student before the commencement of classes.

§ 19

1. With regard to a doctoral student who did not complete the year of education or did not meet other requirements for continuing education at the Doctoral School, the Director decides to:
   1) conditional entry for the next year of education,
   2) repeating one failed subject from the first year with continuing education in the second year, with the proviso that the repeated subject should be credited no later than by the mid-term evaluation date, or issues an administrative decision on:
   3) removal from the list of doctoral students of the Doctoral School.
2. The decisions referred to in para. 1 items 1-2 is taken by the Director at the written request of the doctoral student submitted no later than 7 days from the date of receipt of the credit results.
3. The right to repeat a subject with continuing education and the right to repeat more than one subject without the right to continue education is granted to a doctoral student once during education at the Doctoral School.

§ 20

For a doctoral student who has not obtained the credit, the Director may consent to the conditional start of education in the next academic year with the obligation to meet the condition within the time limit specified in the decision of the Director of the Doctoral School, but no later than 30 October.

§ 21

1. Transfer to the Doctoral School of a doctoral student enrolled in another doctoral school takes place with the consent of the Director of the Doctoral School, after an opinion on the application by the Scientific Council, from the beginning of each semester.
2. A doctoral student may transfer from another doctoral school within the disciplines in which education at the Doctoral School is conducted, after completing the first semester / year.
3. When assessing the application, the director takes into account the opinion of the previous supervisor and the positive opinion of the supervisor proposed in the application.
4. In the transfer decision, the Director specifies the obligation to compensate for program differences
within the time limit and on the terms resulting from the organizational possibilities of the University.
5. The Director has the right to submit an application for reconsideration of the case to the Rector against the negative decision of the Director.

§ 22

1. The duration of apprenticeships at the Doctoral School, required by the curriculum, is 80 teaching hours for the entire course of education, subject to para. 2, sec. 6 and sec. 7.
2. During the education at the Doctoral School, the doctoral student carries out apprenticeships:
   1) by participating as an observer in the classes conducted in the number of 20 teaching hours, and
   2) in the form of classes conducted independently in the number of 60 didactic hours, after prior completion of the classes in the form of participation as an observer in the classes conducted.
3. Apprenticeships should be carried out during the 1st - 3rd year of education. In justified cases, at the request of the head of the teaching unit in which the doctoral student conducts classes or at the request of the supervisor, the implementation of apprenticeships may be transferred to the next year of education. The decision in this matter is issued by the Director.
4. A doctoral student pursuing classes in a unit where overtime hours are not foreseen in a given academic year may, at the request of the head of this unit submitted to the Director, complete some classes in another didactic unit. A doctoral student is referred to another teaching unit in agreement with the Didactic Development Centre and the Head of this unit, in accordance with the professional qualifications of the doctoral student. Decisions

referral to another teaching unit of the University is made by the Director of the Doctoral School.
5. Participation in the doctoral student's classes and conducting classes independently by the doctoral student shall be assessed on the basis of the doctoral student's apprenticeship card, constituting Annexes 2a and 2b to these Regulations.
6. Participation of a doctoral student acting as a contractor in research projects financed from external sources, carried out as a contractor, entitles the promoter to apply to the Director to reduce the teaching hours for the doctoral student to a minimum of 20 hours, including at least 10 hours performed independently.
7. If the doctoral student is absent from the University for at least 1 year, the number of hours conducted independently may be reduced, but not less than 30 teaching hours. The reduction of teaching hours is made by the Director at the request of the head of the teaching unit in which the doctoral student carries out teaching hours, as agreed
with the promoter.
8. A doctoral student returning from maternity leave, leave on the terms of maternity leave, paternity leave and parental leave, specified in separate provisions or after a disease documented with a medical certificate lasting longer than two months of unfulfilled obligation to undertake apprenticeships in the form of teaching or participating in classes may be transferred to the next academic year.
9. A doctoral student of the Doctoral School employed as an academic teacher, conducting didactic classes at the University, has completed apprenticeships.

IX. BREAKS AND RULES FOR EXTENDING EDUCATION AT THE DOCTORAL SCHOOL

§ 23

1. Doctoral students are entitled to rest breaks not exceeding 8 weeks per year.
2. The application for a holiday break is submitted by the doctoral student to the Director of the Doctoral School after obtaining the consent of the supervisor or supervisors. The form of the application is attached as Appendix 3.

§ 24

1. The deadline for submitting a doctoral dissertation, specified in the Research Plan, may be extended, however not longer than by 2 years, on the terms set out in these regulations.
2. The director, at the request of the doctoral student, after consulting the supervisor or supervisors, may extend the period of submitting the doctoral dissertation in justified and documented cases related to:
   1) the necessity to conduct long-term scientific research - no longer than 1 year,
   2) the doctoral student's temporary inability to undergo education due to an illness for more than 3 months,
   3) taking personal care of a sick family member,
   4) taking personal care of a child up to 4 years of age or a child with a certified disability,
   5) possession of a certificate of the degree of disability.
3. Application to extend the submission of the doctoral dissertation pursuant to para. 2 point 1 contains the justification confirmed by the supervisor.
4. To the application referred to in par. 2 points 2-5, documents confirming the premises for extending the period of education at the Doctoral School are attached. The form of the application is attached as Appendix 4 to these Regulations.
5. In the case of extending the period of study at the Doctoral School, no doctoral scholarship for this period is granted.

§ 25

1. The Director of the Doctoral School suspends the period of education at the doctoral student's request at the Doctoral School for a period corresponding to the duration of the maternity leave,

leave on the terms of maternity leave, paternity leave and parental leave, specified in separate regulations, at the same time exempting the doctoral student from the obligation to participate in class.
2. A form of the application for suspension of education at the Doctoral School is attached as Appendix 5 to these regulations.
3. To the application referred to in par. 2, documents confirming the grounds for suspending education at the Doctoral School referred to in para. 1.
4. In the case of suspension of the period of education at the Doctoral School, the provisions on determining the maternity allowance shall apply accordingly to the determination of the amount of the doctoral scholarship, with the proviso that the basis for the amount of the allowance is the amount of the monthly doctoral scholarship, available on the day of submitting the application for suspension.

IV. RIGHTS AND DUTIES OF THE DOCTORAL SCHOOL STUDENT

§ 26

A PhD student has the right to:
1) acquire knowledge in a selected discipline, develop your own scientific interests,
2) for scientific care and research as well as participation in research work carried out by the University,
3) extend education at the Doctoral School on the terms set out in these regulations,
4) in justified cases, carry out part of the doctoral dissertation outside the University on the basis of delegation,
5) undergo domestic and foreign research internships related to the implementation of the doctoral dissertation, using the funds provided for scientific activity, with the consent of the supervisor or promoters and the Director, with the proviso that the trip may not extend the education at the Doctoral School,
6) use the didactic rooms, sports facilities, University equipment and resources as well as help from academic teachers and University bodies,
7) associate in university doctoral student organizations,
8) to social insurance and common health insurance, on the terms set out in separate regulations,
9) receive awards and distinctions,
10) receive material assistance on the terms set out in the Regulations on granting benefits of the Medical University of Lublin,
11) participate in scheduled consultations,
12) for third party liability insurance in the scope of related activities with conducting research and teaching in the form of apprenticeships,
13) evaluate the forms of classes conducted in organizational units of the University through the Student Portal, evaluate the didactic work of academic teachers, the work of the Doctoral School Office and have access to the results of reports through the University's website, on the terms specified in the Rector's ordinance.

§ 27

A PhD student is required to:
1) follow the Regulations of the Doctoral School,
2) follow the wording of the oath,
3) comply with the Statute, Regulations of the Doctoral Student Government and other generally applicable laws and internal university regulations,
4) keep secret information that is subject to protection, obtained in the course of education

at the Doctoral School, especially data on patients, as well as comply with the rules of dealing with the information and data obtained, in particular with regard to their protection against unauthorized access, unjustified modification or destruction, illegal disclosure or acquisition, as well as use only for purposes related to the activities carried out as part of education,
5) establish a Research Plan with the supervisor or promoters and submit it to the Scientific Council by the end of the first year for an opinion,
6) implement the education program and the Research Plan in a timely manner,
7) participate in domestic and foreign conferences related to the implementation of the doctoral dissertation as well as in lectures and specialist training courses in the country or abroad, using the funds provided for the statutory activity or own research of the University unit,
8) conduct research in accordance with the Research Plan and submit annual reports
its implementation to the promoter or promoters and the Council,
9) undergo apprenticeships in the form of teaching or participation in teaching in organizational units of the University.

§ 28

1. A doctoral student without a doctoral degree shall receive a doctoral scholarship, with the proviso that the total period of receiving a doctoral scholarship may not exceed 4 years.
2. Until the period referred to in sec. 1, the payment of the doctoral scholarship during the suspension of education shall not be counted.
3. The rules for awarding a doctoral scholarship are specified in the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws 2020, item 85, as amended).

§ 29

1. A doctoral student with a certified disability degree has the right to implement the didactic process and participate in research.
2.The University ensures that the needs arising from the type of disability are met by adapting buildings and rooms to the needs of people with reduced mobility (ramps, elevators, toilets), the ability to use audiovisual equipment for the needs of people with hearing and vision impairments, and rehabilitation classes at swimming pool.
3. The University provides assistance in solving the problems and needs of disabled people through the Rector's Plenipotentiary for Disabled Students.
4. A doctoral student with a specific degree of disability, who does not have a doctoral degree, is entitled to a doctoral scholarship in the amount increased by 30% of the monthly doctoral scholarship.

§ 30

1. A doctoral student of the Doctoral School may be employed as an academic teacher or research and technical employee if he meets at least one of the following conditions:
   1) implements a project financed from external funds providing for the participation of a doctoral student,
   2) is completed with a positive result after the mid-term evaluation,
   3) he is not entitled to a doctoral scholarship.
2. The doctoral student is obliged to immediately notify the Office of taking up employment
in the university.
3. Performing the work referred to in sec. 1 may not interfere with the ensuing activities
from the training program.

§ 31

Doctoral students may not conduct political activity or disseminate materials with political content at the University.

V. DISCIPLINARY RESPONSIBILITY OF THE DOCTORAL STUDENTS

§ 32

1. A doctoral student of the Doctoral School shall be disciplinary liable for violation of the regulations in force at the University and for acts that violate the dignity of a doctoral student.
2. Disciplinary matters are adjudicated by the Disciplinary Committee for PhD Students and the Appeal Disciplinary Committee for PhD Students, appointed from among academic teachers.
and doctoral students, for the term of office of the University authorities in the manner specified in the Statute.

VI. REMOVAL FROM THE LIST OF DOCTORAL STUDENTS

§ 33

1. PhD student at the Doctoral School who:
   1) has received a negative result of the mid-term evaluation,
   2) did not submit a doctoral dissertation within the time limit specified in the Research Plan,
   3) resigned from education at the Doctoral School, shall be removed from the list of doctoral students of the Doctoral School.
2. PhD student at the Doctoral School who:
1) fails to fulfill its obligations, in particular:
   a) fails to complete the credits within the prescribed period,
   b) does not implement the Research Plan on time,
   c) grossly neglects other obligations arising from the implementation of the education program,
2) has unsatisfactory progress in the preparation of a doctoral dissertation,
may be removed from the list of doctoral students of the Doctoral School.
3. A doctoral student who has not started education after the suspension period referred to in § 25 it. 1 is removed from the list of doctoral students of the Doctoral School.
4. A doctoral student who did not submit a doctoral dissertation within the extension period referred to in § 24 it. 1-2, is removed from the list of doctoral students of the Doctoral School.
5. A doctoral student who fails to obtain a credit for the repeated course referred to in § 19 it.
1 point 2 shall be deleted from the list of doctoral students of the Doctoral School.

§ 34

1. The decision on removal from the list of doctoral students is issued by the Director of the Doctoral School.
2. The Director shall immediately notify the relevant supervisor and the Scientific Council about the removal of a doctoral student from the list.
3. A person removed from the list of doctoral students of the Doctoral School has the right to apply to the Rector for reconsideration of the case within 14 days from the delivery of the decision.
4. The Rector's decision is final.

VII. COMPLETION OF EDUCATION

§ 35

1. Education at the Doctoral School ends with the submission of the doctoral dissertation in the manner specified by the Senate and requires the submission of a relevant document to the Doctoral School Office.
2. A doctoral student who completed education at the Doctoral School receives a certificate of obtaining learning outcomes for qualifications at the level of PQF 8.
3. At the doctoral student's request, the Office issues a certificate of classes completed as part of the education program at the Doctoral School.

4. Activities in the proceedings for awarding the doctoral degree at the University are governed by separate provisions.

Appendix No.
1 to the Regulations of the Doctoral School of the Medical University of Lublin

Text of the doctoral candidate's oath

"By joining the community of the Doctoral School of the Medical University of Lublin, I solemnly swear:

- to persistently acquire and expand the knowledge and skills necessary to obtain a doctoral degree,
- to uphold the dignity of a doctoral student and not to tarnish it with bad and unethical behavior,
- maintain professional secrecy,
- comply with the rules of coexistence and regulations in force at the University.

Appendix No. 2a
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT PROFESSIONAL PRACTICE CARD

1) in the form of participation as an observer in classes conducted in the amount of 20 teaching hours; individual exercises in which the doctoral student participates are subject to assessment;

General information					
First and last name:		Semester		academic year	……../……..
UML organizational unit:					
Supervisor:					

Participation of the doctoral student in teaching – 20 teaching hours							
No.	Name of subject	Field of study/student group	Year	Number of hours	Lecturer	Date	Signature of the employee responsible for the subject
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
Total number of teaching hours in which the doctoral student participated:							

PLEASE PRINT ON BOTH SIDES!

Doctoral student's signature	Stamp and signature of the employee responsible for the subject
Date of submission of the card	Stamp and signature of the supervisor

PLEASE PRINT ON BOTH SIDES!

Appendix No. 2b
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT PROFESSIONAL PRACTICE CARD

1) in the form of 60 teaching hours of independent classes, after prior participation in classes as an observer; individual exercises conducted independently by the doctoral student are subject to assessment;

General information					
First and last name:		Semester		academic year	……../……..
UML organizational unit:					
Supervisor:					

Independent teaching by the doctoral student – 60 teaching hours						
No.	Course name	Field of study/student group	Year	Number of hours	Date	Signature of the employee responsible for the subject
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
Total number of teaching hours conducted independently by the doctoral student:						

PLEASE PRINT ON BOTH SIDES!

Doctoral student's signature	Stamp and signature of the employee responsible for the subject
Date of submission of the card	Stamp and signature of the supervisor

PLEASE PRINT ON BOTH SIDES!

Appendix No.
3 to the Regulations of the Doctoral School of the Medical University of Lublin

Lublin, on……

……
(name and surname of the doctoral student)

……
(Personal Identification Number)

……
(phone number)

……
(mode of study/year of study)

Director of the Doctoral School

…… Medical University of Lublin

APPLICATION FOR A BREAK FROM THE UML DOCTORAL SCHOOL

I hereby request .....days/a leave of absence from

…… to……

……
(doctoral student's signature)

Decision of the supervisor(s): I agree/I disagree*

……
(supervisor's stamp and signature)

……
(stamp and signature of supervisor/assistant supervisor)

* please tick as appropriate

DECISION OF THE DIRECTOR OF THE UML DOCTORAL SCHOOL

I agree/I disagree *

……
(stamp and signature of the Director)

* tick as appropriate

Appendix No.
4 to the Regulations of the Doctoral School of the Medical University of Lublin

Lublin, ...

.....
(name and surname of the doctoral student)

.....
(Personal Identification Number)

.....
(phone number)

.....
(mode of study/year of study)

Director of the Doctoral School

..... Medical University of Lublin

APPLICATION FOR EXTENSION OF EDUCATION AT THE UML DOCTORAL SCHOOL

I hereby request an extension of the deadline for submitting my doctoral dissertation until ..... (date).

I justify my request by*:

1. temporary inability to pursue education at the Doctoral School of MUL due to illness;
2. providing personal care for a sick family member;
3. providing personal care for a child up to 4 years of age or a child with a certified disability;
4. holding a disability certificate.

*underline as appropriate

I attach documents confirming the grounds for the extension:

.....
I kindly ask for my request to be approved.

.....
(doctoral student's signature)

Supervisor's opinion:

.....

.....

.....

.....
(supervisor's signature and stamp)

DECISION OF THE DIRECTOR OF THE UML DOCTORAL SCHOOL

1. I hereby grant an extension of the deadline for submitting the doctoral dissertation until ……..…. (date).*

2. I do not grant an extension of the deadline for submitting the doctoral dissertation.*

……..
(signature and stamp of the Director)

*mark as appropriate

Appendix No.
5 to the Regulations of the Doctoral School of the Medical University of Lublin

Lublin, on……

……
(name and surname of the doctoral student)

……
(Personal Identification Number)

……
(phone number)

……
(mode of study/year of study)

Director of the Doctoral School

…… Medical University of Lublin

APPLICATION FOR SUSPENSION OF EDUCATION AT THE UML DOCTORAL SCHOOL

I hereby request the suspension of my education from .....to

….....I enclose the following with my application:
……

……
(doctoral student's signature)

…….
(supervisor's stamp and signature)

……..
(stamp and signature of the supervisor/assistant supervisor)

DECISION OF THE DIRECTOR OF THE UML DOCTORAL SCHOOL

I hereby consent to the suspension of education at the UML Doctoral School from.....to

to .....

……
(stamp and signature of the Director)

Appendix No.
6 to the Doctoral School
Regulations

INTERIM REPORT ON THE IMPLEMENTATION OF THE INDIVIDUAL RESEARCH PLAN

(for the second year)

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor	

I. **Completion of the education program (**possible completion by semester VIII)

No	Mandatory development activities	Details	Comments

No.	Professional internships	Status	Comments
1.	Conducting classes		

No.	Optional classes	Status	Comments
1.	**Block A** – at least 2 out of 5 to be completed in the education cycle		
2.	**Block B** – to be completed min. 1 activity in the education cycle		
3.	**Block C** – to be completed min. 4 in the cycle education		

II. **Implementation of the Individual Research Plan**

a) **in accordance with the IRP schedule**

No.	IPB assumptions/milestones	Implementation status	Comments

b) Publications (please specify: Authors, Title, Journal, Year, Volume, Pages, IF points, MNiSW points, Status of work - published/accepted for publication/submitted *)

No	

*** For published works, please provide a printout from the library; for works accepted for publication, please provide a letter from the editorial office; for works sent, please provide a letter from the editorial office confirming submission/a screenshot from the system and the manuscript**

c) conference abstracts (please provide: Authors, Title of work, Name of Scientific Conference, Year, Type of presentation (poster/oral/print in conference materials)**

No.	

**** as confirmation, a printout from the library or conference materials confirmed by the supervisor**

d) monographs* (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

No.	

***** as confirmation, a printout from the library**

e) patents (with confirmation of application)

No	

f) Synthetic description of the completed task (up to 500 words)

IV. Opinion of the supervisor(s) (up to 250 words)

Date, stamp, and signature of the supervisor	Date, stamp, and signature of the second supervisor/assistant supervisor
Date of submission of the report	Signature of the doctoral student

Appendix No.
7 to the Regulations of the Doctoral School

REPORT ON THE IMPLEMENTATION OF THE INDIVIDUAL RESEARCH PLAN
for year: III / IV / extension

Surname	
First	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor	
Year of study (III/IV/extension)*	

* delete as appropriate

I. **Completion of the education program (**possible completion by semester VIII)

No.	Mandatory development activities	Details	Comments

No.	Professional internships	Status	Comments
1.	Conducting classes		

No.	Optional classes	Status	Comments
1.	**Block A** – at least 2 out of 5 to be completed in the education cycle		
2.	**Block B** – to be completed min. 1 activity in the education cycle		
3.	**Block C** – to be completed min. 4 in the education cycle		

II. **Implementation of the Individual Research Plan**

a) **in accordance with the IRP schedule**

No.	IPB assumptions/milestones	Status of implementation	Comments

b) Publications (please provide: Authors, Title, Journal, Year, Volume, Pages, IF points, MNiSW points, Status of work - published/accepted for publication/submitted *)

No.	

*** For published works, please provide a printout from the library; for works accepted for publication, please provide a letter from the editorial office; for works sent, please provide a letter from the editorial office confirming submission/a screenshot from the system and the manuscript**

c) conference abstracts (please provide: Authors, Title of work, Name of Scientific Conference, Year, Type of presentation (poster/oral/print in conference materials)**

No.	

**** as confirmation, a printout from the library or conference materials confirmed by the supervisor**

d) monographs* (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

No.	

**** as confirmation, a printout from the library**

e) patents (with confirmation of application)

No.	

IV. Supervisor's opinion (up to 250 words)

Date, stamp, and signature of the supervisor	Date, stamp, and signature of the second supervisor/assistant supervisor
Date of submission of the report	Signature of the doctoral student

DECISION OF THE DIRECTOR OF THE DOCTORAL SCHOOL

- I positively assess the implementation of the Individual Research Plan*
- I give a negative assessment of the implementation of the doctoral student's Individual Research Plan and refer the doctoral student for removal from the list of doctoral students of the Doctoral School*

* Please check the appropriate box

…….. ……..

Date Stamp and signature of the Director of the Doctoral School

Resolution No. 168/2022
of the Senate of the Medical University of Lublin

- April 27, 2022

on the Regulations of the Doctoral School of the Medical University of Lublin

Pursuant to Article 205 of the Act of July 20, 2018, *on higher education and science (*Journal of Laws of 2022, item 574, as amended) and § 23 point 21 of the Statute of the Medical University of Lublin of June 26, 2019, the Senate hereby resolves as follows:

§ 1

The Senate of the Medical University of Lublin adopts the Regulations of the Doctoral School, constituting an appendix to this resolution.

§ 2

If, within 3 months of the adoption of these Regulations, the Doctoral Student Council expresses its objection to their content, the Senate of the University shall adopt a new resolution in the event of a disagreement.

§ 3

Resolution No. LVIII/2021 of the Senate of the Medical University of Lublin of 24 March 2021 on the Regulations of the Doctoral School of the Medical University of Lublin shall cease to be in force.

§ 4

The resolution shall enter into force on October 1, 2022.

Chair of the Senate
Rector of the Medical University of Lublin
Prof. Wojciech Załuska, PhD

Appendix to Resolution No 168/2022
of the Senate of the Medical University of Lublin
of 27 April 2022

REGULATIONS OF THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

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VII. Disciplinary responsibility of doctoral students

VIII. Removal from the list of doctoral students

IX. Completion of training

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I. GENERAL PROVISIONS

§ 1

The terms used in these Regulations have the following meanings:

1) University or MUL - Medical University of Lublin;
2) Senate - Senate the Medical University of Lublin;
3) Doctoral School - Doctoral School of the University of Lublin;
4) Vice-Rector - Vice-Rector for the Doctoral School and Clinical Research of the Medical University of Lublin;
5) Scientific Council or Council - Scientific Council of the Doctoral School of the Medical University of Lublin;

6) Act - the Act of 20 July 2018, Law on Higher Education and Science (i.e. Journal of Laws of 2022, item 574, as amended);
7) Statute - the Statute of the Medical University of Lublin of 26 June 2019 (Resolution No. CCLXXXI/2019 of the Senate of the Medical University of Lublin of 26 June 2019);
8) Regulations - the Regulations of the Doctoral School of the Medical University of Lublin;
9) Doctoral Student - a person undergoing training at the Doctoral School of the Medical University of Lublin;
10) Research Plan - Individual Research Plan;
11) PQDF - Polish Qualifications Framework;
12) Office - Doctoral School Office;
13) Mid-term Committee - Mid-term Evaluation Committee;
14) ORPSD - Office of the Rector's Plenipotentiary for Students with Disabilities.

§ 2

1. The provisions of these Regulations apply to training at the Doctoral School conducted in a stationary form.
2. Training at the Doctoral School is organised on the basis of the Act, secondary legislation to this Act and the Statute. Training of foreigners may also be subject to separate regulations.
3. Training at the Doctoral School prepares students to obtain a doctoral degree.
4. The Doctoral School admits candidates holding a Master's degree (*magister*), a Master's degree following the Bachelor of Science degree (*magister inżynier*) or equivalent, or in exceptional cases justified by the highest quality of scientific achievements, graduates of the first-cycle studies or students who have completed the third year of uniform master's studies are admitted.
5. Training at the Doctoral School creates conditions for:
   1) independent work of a Doctoral Student;
   2) scientific cooperation in research teams, national and international;
   3) publishing by a Doctoral Student of scientific articles in peer-reviewed journals;

4) preparing by a Doctoral Student of a doctoral dissertation under the supervision of the supervisor or supervisors or under the direction of the supervisor and auxiliary supervisor;
5) implementing the curriculum of the Doctoral School including compulsory and optional classes, in the form of lectures, exercises, seminars and professional practice;
6) conducting scientific research under the direction of the supervisor or supervisors or under the direction of the supervisor and auxiliary supervisor;
7) participating in the activities of the scientific community in Poland and abroad.

6. Training may be conducted according to the curriculum of the Doctoral School, a curriculum including elements shared by the curriculum of another Doctoral School.
7. Training may be conducted according to an individual curriculum.
8. The implementation of the curriculum at the Doctoral School leads to the achievement of learning outcomes for qualifications at level 8 of the Polish Qualifications Framework specified in the Act on the Integrated Qualification System and secondary legislation.

§ 3

1. The Doctoral Students of the Doctoral School form the Doctoral Students' Self-Government.
2. The Doctoral Students' Self-Government operates based on the provisions of the Doctoral Students' Self-Government Regulations.

II. ORGANISATION OF THE DOCTORAL SCHOOL

§ 4

1. The University conducts training at the Doctoral School in the field of medical sciences and health sciences, in the following disciplines:
   1) pharmaceutical science;

2) medical science;
3) health science.

2. Detailed rules and procedure of recruitment to the Doctoral School are subject to separate regulations.

§ 5

1. The Doctoral School is headed by the Vice-Rector for the Doctoral School and Clinical Research.
2. The Vice-Rector for the Doctoral School and Clinical Research
   1) supervises the implementation of the curriculum at the Doctoral School;
   2) approves the Research Plan of individual Doctoral Students and changes made to it;
   3) performs an annual evaluation of the progress in the implementation of the Research Plan of individual Doctoral Students;
   4) makes decisions on crediting consecutive years of training at the Doctoral School;
   5) makes decisions on conducting the credit test before an examination board and appoints a board conducting this credit test;
   6) extends the deadline for submitting the doctoral dissertation (implementation of the Research Plan);
   7) grants consent to the suspension of training at the Doctoral School;
   8) in justified cases, submits a request to the Scientific Council to change the supervisor;
   9) decides to remove a Doctoral Student from the list of Doctoral Students of the Doctoral School;
   10) gives consent to the Doctoral Student for holiday breaks.

§ 6

1. The Scientific Council of the Doctoral School operates at the Doctoral School.

2. An employee holding the academic title of professor or the academic degree of doctor of science, employed full-time at the university may be a member of the Scientific Council.
3. A representative of the Doctoral Students' Self-Government is a member of the Council.
4. A representative of the Rector's Plenipotentiary for Students with Disabilities may participate in the meetings of the Council, in an advisory capacity.
5. The Scientific Council supervises the content of training at the Doctoral School.
6. The Scientific Council is obliged to:
   1) develop, after consulting the Doctoral Students' Self-Government, a curriculum of the Doctoral School;
   2) approve the organisation of classes conducted at the Doctoral School;
   3) carry out substantive evaluation of the Individual Research Plan;
   4) define how the mid-term evaluation is to be carried out;
   5) appoint a supervisor, supervisors or an auxiliary supervisor of doctoral dissertations;
   6) change the supervisor, supervisors or auxiliary supervisor of doctoral dissertations.

§ 7

The organisational unit of administration dealing with administrative support for Doctoral Students' training is the Office of the Doctoral School.

§ 8

1. The Student Portal and the Lecturer Module are personalised websites, integrated with the current database of the Integrated IT System of the University in areas related to the course of training, made available to doctoral students and teaching staff.
2. Training at the Doctoral School is conducted in accordance with the curriculum developed by the Scientific Council and adopted by the Senate, posted on the

Student Portal or on the University's website, no later than 5 months before the start of recruitment.

3. Detailed schedules of classes are made available to Doctoral Students before the beginning of a given semester.
4. All classes, as part of the monitoring of the quality of training, are subject to anonymous evaluation by Doctoral Students.
5. Unless these Regulations provide otherwise, correspondence between Doctoral Students and the University in connection with training at the Doctoral School (including applications, requests, statements, appeals, etc.) may be submitted in the following manner:
   1) in writing;
   2) in electronic form with a qualified electronic signature;
   3) in electronic form with a signature using a trusted profile or a personal signature;
   4) in electronic form via e-mail in the domain student.umlub.pl or through the Student Portal

   or in another form compliant with the Code of Administrative Procedure, subject to paragraph 6.
6. The application for reconsideration of cases concerning administrative decisions and appeals against administrative decisions are made in the form consistent with the Code of Administrative Procedure.
7. Unless the Regulations or the Act provide otherwise, the dates established in connection with training at the Doctoral School may be postponed at the justified request of the Doctoral Student, in particular due to health reasons.

III. PRINCIPLES OF TRAINING

§ 9

1. Training at the Doctoral School lasts four years (8 semesters).

2. The year of training begins with the start of the winter semester or the summer semester respectively, as specified in the Rector's Ordinance for a given academic year, and lasts until 30 September of the following calendar year, however a Doctoral Student commencing training in the summer semester follows a detailed schedule of classes starting from the next winter semester.
3. The period for obtaining credits at the Doctoral School is the academic semester.
4. A person admitted to the Doctoral School acquires the rights of a Doctoral Student at the moment of matriculation, taking the oath, the content of which is set out in Appendix No. 1 to these Regulations.
5. The course of training at the Doctoral School is documented:
   1) in the course credit reports;
   2) in cards of periodic achievements of the Doctoral Student;
   3) in the mid-term report on the implementation of the Individual Research Plan, the template of which is set out in Annex 6 (for year II);
   4) in the reports on the implementation of the Individual Research Plan, the template of which is set out in Annex 7 (for year III, IV and extension).
6. A Doctoral Student of the Doctoral School receives a Doctoral Student ID.
7. A person who completed training at the Doctoral School or was removed from the list of Doctoral Students of the Doctoral School is required to return the Doctoral Student ID before receiving a certificate confirming the achievement of learning outcomes for qualifications at level 8 of PQF at the Doctoral School.

§ 10

1. Training at the Doctoral School is conducted on the basis of the curriculum and the Individual Research Plan.
2. Within 12 months from the date of commencement of training, the Doctoral Student, in consultation with the supervisor or supervisors, prepares a Research Plan and submits it to the Scientific Council.
3. After the content-related evaluation of the Individual Research Plan by the Scientific Council, it is submitted to the Vice-Rector for approval.

4. The Research Plan includes, in particular, a schedule for the preparation of a doctoral dissertation and the date of its submission.
5. In the middle of the period of training, but not later than during the fourth semester, the implementation of the Research Plan is subject to a mid-term evaluation.

§ 11

1. The Doctoral Student of the Doctoral School remains under the scientific supervision of the supervisor or supervisors or the supervisor and the auxiliary supervisor.
2. The supervisor can be an academic teacher holding at least a degree of a doctor of science in a given or related scientific discipline and with scientific achievements published in the last 5 years in journals included in the lists of scientific journals and peer-reviewed materials from international conferences of the Ministry of Education and Science with an assigned discipline in accordance with the subject matter of the doctoral dissertation and those with the Impact Factor.
3. The supervisor can be a person who does not meet the conditions specified in paragraph 2, who is an employee of a foreign university or research institution.
4. The supervisor cannot be a person who in the last 5 years:
   1) was the supervisor of 4 Doctoral Students who were removed from the list of Doctoral Students due to a negative result of the mid-term evaluation;
      or
   2) supervised the preparation of a dissertation by at least 2 persons applying for a doctoral degree who did not obtain positive reviews in the procedure for awarding a doctoral degree;
5. The supervisor can supervise no more than 5 Doctoral Students, including those from doctoral studies and the Doctoral School, at the same time.
6. The number of Doctoral Students referred to in paragraph 5 does not include Doctoral Students whose research project is financed from external funds providing for the participation of a Doctoral Student.

§ 12

1. The supervisor's tasks include in particular:
   1) developing a Research Plan with a Doctoral Student, including, *inter alia*, a schedule for the preparation of the doctoral dissertation and the deadline for its submission as well as presenting it to the Scientific Council within 12 months from the date of commencement of training, but not later than before the end of the summer semester of the first year of training at the Doctoral School;
   2) assisting the Doctoral Student in scientific work;
   3) providing funds for the implementation of research conducted by the Doctoral Student using the resources available to the unit or which may be obtained by the unit;
   4) continuously assessing the progress of the Doctoral Student's research work by analysing and assessing the implementation of the Doctoral Student's Research Plan;
   5) submitting an opinion to the Scientific Council at the end of each year of training on the implementation of the Research Plan by the Doctoral Student.
2. In the event of a negative result of evaluation of the implementation of the Research Plan by the Doctoral Student, the supervisor may:
   1) at the request of a Doctoral Student, submit a request to the Vice-Rector for the Doctoral School and Clinical Research to change the Research Plan;
   2) submit a request to the Vice-Rector for the Doctoral School and Clinical Research to remove a Doctoral Student from the list of Doctoral Students of the Doctoral School due to unsatisfactory progress in the preparation of the doctoral dissertation.

§ 13

1. The Scientific Council appoints the supervisor or supervisors of the doctoral dissertation for the Doctoral Student within 3 months from the date of commencement of training, based on the subject of the research project presented in the qualification procedure for the Doctoral School.

2. If the academic teacher appointed as a result of the recruitment is unable to supervise a doctoral dissertation, the Council appoints another supervisor from among the University's academic teachers, within the thematic area of the doctoral dissertation being prepared.
3. Moreover, at the request of the supervisor, the Scientific Council may appoint a second supervisor or an auxiliary supervisor.

§ 14

1. The auxiliary supervisor may be a person holding a doctoral degree.
2. The auxiliary supervisor in the procedure for awarding a doctoral degree plays an auxiliary role in the supervision over the Doctoral Student, in particular in the process of research and analysis of results.
3. The auxiliary supervisor gives an opinion on the Doctoral Student's Individual Research Plan before the Doctoral Student presents it to the Scientific Council.

§ 15

1. In justified cases, the Scientific Council may change the supervisor or supervisors.
2. The supervisor or supervisors are changed by the Scientific Council upon request, within 30 days of its submission.
3. The supervisor or Doctoral Student may request the Scientific Council to change the supervisor or supervisors of the doctoral dissertation.
4. In exceptional circumstances, the Vice-Rector for the Doctoral School and Clinical Research may request a change of the supervisor or supervisors.

§ 16

1. The implementation of the Individual Research Plan is subject to a mid-term evaluation.
2. Mid-term evaluation is carried out in the middle of the period of training, but no later than during the fourth semester.
3. The mid-term evaluation is carried out by the Mid-term Evaluation Committee, composed of 3 persons, appointed by the Scientific Council of the Doctoral School.

4. The Committee referred to in paragraph 3 is composed of at least 1 person holding a degree of doctor of science or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University.
5. The supervisor and the auxiliary supervisor cannot be members of the Committee referred to in paragraph 3.
6. The mid-term evaluation consists of the following steps and is carried out in the following order:
   1) evaluation of the Doctoral Student's implementation of the curriculum;
   2) assessment of the consistency of the Doctoral Student's achievements with the assumptions of the Research Plan;
   3) timely implementation of the schedule for the preparation of the doctoral dissertation;
   4) presentation by the Doctoral Student on his/her achievements to date;
   5) discussion with members of the Committee referred to in paragraph 3, on the presentation given by the Doctoral Student;
   6) determination by the Committee referred to in paragraph 3, of the result of the mid-term evaluation.
7. The mid-term evaluation ends with a positive or negative result.
8. A negative result of evaluation requires justification and is open to the Doctoral Student and the supervisor.
9. A Doctoral Student may appeal against a negative result of the mid-term evaluation to the Vice-Rector. The deadline for submitting an appeal with justification is 7 days from the date of making the results of the evaluation available. The appeal is examined by a new Mid-term Evaluation Committee. The decision of the Committee is final.
10. If the result of the mid-term evaluation is negative, the Doctoral Student is removed from the list of Doctoral Students of the Doctoral School.

§ 17

1. Classes at the Doctoral School can be conducted by academic teachers holding at least a doctoral degree, with the exception of foreign language teachers and

persons conducting classes on the principles of financing and managing research grants and scientific information.

2. Classes for Doctoral Students are conducted in Polish or English in the form of compulsory and optional classes, completed with credits, on the dates provided for in the detailed schedule of classes.
3. Upon a justified request addressed to the Scientific Council, the contents set out in the curriculum of the Doctoral School may be learnt through self-study, at the end of which a Doctoral Student takes credit tests provided for in the curriculum.
4. The Vice-Rector, after consulting the person responsible for the given course and the Scientific Council of the Doctoral School, verifies and credits the learning outcomes obtained outside the Doctoral School.
5. The programme and the number of class hours are determined by the curriculum of the Doctoral School established by the Scientific Council on the basis of the learning outcomes for qualifications at level 8 of PQF adopted by the Senate.
6. The size of groups during classes is determined by the Ordinance of the MUL Rector.
7. For credits, the division of the academic year determined by the Ordinance of the MUL Rector and the following rules apply:
   1) credit deadlines are set and given to Doctoral Students by the teachers at the beginning of the classes;
   2) for each credit, 2 credit deadlines are set, whereas the first credit deadline is set after the end of the classes, but not later than 2 weeks after the last classes.
8. A Doctoral Student in exceptional circumstances may submit an application to the Vice-Rector for an additional credit test.
9. The results of the credit tests are entered by the teachers into electronic reports.
10. It is allowed to publish the results related to the Doctoral Students' training process in electronic form or in the information displayed in the display case of the University's organisational unit, in a manner agreed between the teacher and Doctoral Students. Published information may include the number of the Doctoral Student's register and the result of the credit test.

11. It is allowed to record (tape) the course of classes, credit tests, exams, meetings with Doctoral Students, i.e. recording the image with the use of image recording devices (without audio).
12. Recording (taping) will be carried out only on devices owned by the Medical University of Lublin.
13. The recordings will be stored only on the devices owned by the University.
14. The Doctoral Students will be informed about the planned recording before the recording starts.
15. The above-mentioned recording will be made for archival purposes and for the pursuit of claims and defence against claims, the recorded image will not be made available on the University websites or made public in any way. Only Doctoral Students and the entities authorised to access these data will have access to the recordings.

§ 18

1. A Doctoral Student who raises reservations about the correctness of the course of the credit test may, within 7 days from the date of the credit test, submit a written, justified request to the Vice-Rector for the Doctoral School and Clinical Research for a credit test conducted before an examination board.
2. The person teaching classes and giving credits is also entitled to submit a request for a credit test conducted before an examination board.
3. The Vice-Rector may order a credit test before an examination board on his/her own initiative.
4. The examination board for the credit test is appointed by the Vice-Rector within 7 days from the date of receipt of the request.
5. The examination board referred to in paragraph 4 is composed of:
   1) a member of the Scientific Council appointed by the Vice-Rector as the Chairperson;
   2) Doctoral Student’s supervisor or supervisors;

3) a person who previously evaluated the Doctoral Student, and in the event of circumstances preventing his/her participation in the credit test - a specialist in a given or related discipline;
4) professor or doctor of science - specialist in a given discipline;
5) a representative of the Doctoral Students' Self-Government indicated by the Doctoral Student;
6) a representative of the Office of the Rector's Plenipotentiary for Students with Disabilities - at the request of a Doctoral Student with special needs due to his/her state of health.

6. The result of the credit test before an examination board is entered into the minutes by the Chairperson of the board.
7. The credit test before an examination board should take place not earlier than 7 days and not later than 14 days from the date of receipt of the request.
8. The credit test before an examination board takes place at the Doctoral School Office on the date set out by the Vice-Rector, orally or otherwise, in accordance with § 31.
9. The scope of the credit test before an examination board does not go beyond the issues presented to the Doctoral Student before the beginning of the classes.

§ 19

1. With respect to a Doctoral Student who did not complete a year of training or did not meet other requirements to continue training at the Doctoral School, the Vice-Rector makes a decision regarding:
   1) conditional admission for the next year of training;
   2) repetition of one failed course from the first year while continuing training in the second year, whereas credit for the repeated course should be obtained no later than by the mid-term evaluation date;

   or issues an administrative decision on:
   3) removal from the list of Doctoral Students of the Doctoral School.

2. The decisions referred to in paragraph 1(1-2) are made by the Vice-Rector at the written request of the Doctoral Student, submitted no later than 7 days from the date of receiving the credit test results.
3. The right to repeat a course with continuation of training and the right to repeat more than one course without the right to continue training is granted to a Doctoral Student once in the course of training at the Doctoral School.

§ 20

The Doctoral Student who has not obtained a credit may receive consent of the Vice-Rector for undertaking conditional training in the next academic year with the obligation to meet the condition within the time limit specified in the decision of the Vice-Rector for the Doctoral School and Clinical Research, but not later than 30 October.

§ 21

1. The transfer to the Doctoral School of a Doctoral Student enrolled in another doctoral school takes place with the consent of the Vice-Rector for the Doctoral School and Clinical Research, after the application has been approved by the Scientific Council, from the beginning of each semester.
2. A Doctoral Student may transfer from another doctoral school within the disciplines in which training at the Doctoral School is conducted, after completing the first semester or year.
3. When assessing the application, the Vice-Rector takes into account the opinion of the previous supervisor and an approval of the supervisor proposed in the application.
4. In the transfer decision, the Vice-Rector specifies the obligation to compensate for curricular differences within the time limit and on the terms corresponding to the organisational capability of the University.
5. After the Vice-Rector’s refusal an application for reconsideration of the case may be filed with the Rector.

§ 22

1. The duration of professional practice at the Doctoral School, required by the curriculum, is 80 hours during the entire course of training, subject to paragraphs 2, 6 and 7.
2. During the period of training at the Doctoral School, the Doctoral Student undergoes professional practice:
   1) in the form of participation as an observer in 20 hours of classes;
   2) in the form of 60 hours of classes conducted by himself/herself, after prior completion of the classes in the form of participation as an observer in the classes conducted.
3. Professional practice should be carried out during the 1st - 3rd year of training. In justified cases, at the request of the head of the teaching unit in which the Doctoral Student undergoes practice or at the request of the supervisor, the professional practice may be transferred to the next year of training. The decision on this matter is made by the Vice-Rector.
4. A Doctoral Student undergoing training in a unit where overtime hours are not provided for in a given academic year may, at the request of the head of this unit submitted to the Vice-Rector, complete part of the classes in another teaching unit. A Doctoral Student is referred to another teaching unit in consultation with the Teaching Development Centre and the head of this unit, in accordance with the professional qualifications of the Doctoral Student. The decision on referral to another teaching unit of the University is made by the Vice-Rector for the Doctoral School and Clinical Research.
5. Participation in the Doctoral Student's classes and conduct of classes by the Doctoral Student himself/herself is assessed on the basis of the Doctoral Student's Professional practice sheet, constituting Appendices No. 2a and 2b to these Regulations.
6. Participation of a Doctoral Student acting as a contractor in research projects financed from external sources, carried out as a contractor, entitles the supervisor to apply to the Vice-Rector to reduce the number of hours of classes for the

Doctoral Student to a minimum of 20 hours, including at least 10 hours conducted by himself/herself.

7. If the Doctoral Student is absent from the University for at least 1 year, the number of hours conducted by himself/herself may be reduced, however, to no less than 30 teaching hours. The number of teaching hours is reduced by the Vice-Rector at the request of the head of the teaching unit in which the Doctoral Student conducts teaching hours, in agreement with the supervisor.
8. With respect to a Doctoral Student returning from maternity leave, leave on the terms of maternity leave, paternity leave and parental leave, specified in separate regulations or after an absence lasting more than 2 months, confirmed by medical documentation, the unfulfilled obligation to undergo professional practice in the form of teaching or participating in classes may be transferred to the next academic year.
9. The professional practice of a Doctoral Student of the Doctoral School employed as an academic teacher, conducting classes at the University is deemed completed.

IV. BREAKS AND RULES FOR EXTENDING TRAINING AT THE DOCTORAL SCHOOL

§ 23

1. Doctoral Students have the right to rest breaks not exceeding 8 weeks per year.
2. A request for a rest break is submitted by the Doctoral Student to the Vice-Rector for the Doctoral School and Clinical Research after obtaining prior consent of the supervisor or supervisors. The form of the request constitutes Appendix No. 3.

§ 24

1. The deadline for submitting the doctoral dissertation, specified in the Research Plan, may be extended, however not longer than by 2 years, on the terms set out in these Regulations.

2. The Vice-Rector, at the request of the Doctoral Student, after consulting the supervisor or supervisors, may extend the deadline for submitting the doctoral dissertation.

   in justified and documented cases related to:

   1) the necessity to conduct long-term scientific research - no longer than 1 year;
   2) temporary inability of a Doctoral Student to continue training due to an illness, longer than 3 months;
   3) the need to personally care for a sick family member;
   4) the need to personally care for a child up to 4 years of age or a child with a disability;
   5) special health-related needs.
3. A request for an extension of the deadline for the submission of the doctoral dissertation pursuant to paragraph 2(1) contains the justification confirmed by the supervisor.
4. The documents confirming the premises for extending the period of training at the Doctoral School are attached to the request referred to in paragraph 2(2-5). The form of the request is attached as Appendix No. 4 to these Regulations.
5. If the period of training at the Doctoral School is extended, no doctoral scholarship for this period is granted.

§ 25

1. The Vice-Rector for the Doctoral School and Clinical Research suspends, at the request of the Doctoral Student, the period of training at the Doctoral School for a period corresponding to the duration of the maternity leave, leave on the terms of maternity leave, paternity leave and parental leave, as specified in separate regulations, at the same time releasing the Doctoral Student from the obligation to participate in classes.
2. A template of the request for the suspension of training at the Doctoral School is attached as Appendix No. 5 to these Regulations.

3. The documents confirming the premises for the suspension of training at the Doctoral School referred to in paragraph 1 are attached to the request referred to in paragraph 2.
4. In the case of suspension of the period of training at the Doctoral School, the provisions on determining the maternity allowance apply accordingly to the determination of the amount of the doctoral scholarship, however, the basis for the allowance is the amount of the monthly doctoral scholarship available on the day of submitting the request for suspension.

V. Doctoral Student's rights and obligations

§ 26

A Doctoral Student has the right to:

1) gain knowledge in a selected discipline, develop his/her own scientific interests;
2) receive scientific guidance and conduct scientific research as well as participate in research work carried out by the University;
3) extend training at the Doctoral School on the terms set out in these Regulations;
4) in justified cases, carry out a part of work on the doctoral dissertation outside the University on a secondment basis;
5) carry out domestic and foreign research internships related to the doctoral dissertation using the funds provided for scientific activity, with the consent of the supervisor or supervisors and the Vice-Rector, however such trip may not cause an extension of training at the Doctoral School,
6) use the teaching rooms, sports facilities, University equipment and resources, and the help of academic teachers and University bodies,
7) associate in the Doctoral Students' organisations at the University;
8) social insurance and general health insurance, on the terms set out in separate regulations;
9) receive awards and distinctions;

10) receive material assistance on the terms set out in the Regulations on granting benefits of the Medical University of Lublin;
11) participate in scheduled consultations;
12) third party liability insurance in the field of research and teaching activities in the form of professional practice;
13) evaluate the forms of classes conducted in organisational units of the University through the Student Portal, evaluate the didactic work of academic teachers, the work of the Doctoral School Office and have access to the results of reports through the University's website, on the terms specified in the Rector's ordinance.

§ 27

A Doctoral Student is required to:

1) follow the Regulations of the Doctoral School;
2) follow the wording of the oath;
3) comply with the Statute, Regulations of the Doctoral Students' Self-Government and other generally applicable laws and internal legal acts of the University;
4) keep secret all information subject to protection, obtained during training at the Doctoral School, especially data on patients, as well as comply with the rules of handling the information and data obtained, in particular with regard to protection thereof against unauthorised access, unjustified modification or destruction, illegal disclosure or acquisition, as well as use it only for purposes related to the activities carried out within the framework of training;
5) establish a Research Plan with the supervisor or supervisors and submit it to the Scientific Council by the end of the first year to obtain their opinion;
6) implement the curriculum and the Research Plan in a timely manner;
7) participate in domestic and foreign conferences related to the work on the doctoral dissertation as well as in lectures and specialist training in the country or abroad, using the funds provided for the statutory activity or own research of the University unit;

8) conduct research in accordance with the Research Plan and submit annual reports on its implementation to the supervisor or supervisors and the Council;
9) undergo professional practice in the form of teaching or participation in teaching in organisational units of the University.

§ 28

1. A Doctoral Student without a doctoral degree receives a doctoral scholarship, with the provision that the total period of receiving a doctoral scholarship may not exceed 4 years.
2. The payment of the doctoral scholarship during the suspension of training is not included in the period referred to in paragraph 1.
3. The rules for awarding a doctoral scholarship are set out in the Act of 20 July 2018, Law on Higher Education and Science (i.e. Journal of Laws of 2022, item 574, as amended).
4. A Doctoral Student with a specific degree of disability, not holding a doctoral degree, is entitled to a doctoral scholarship in the amount increased by 30% of the monthly doctoral scholarship.

§ 29

1. A Doctoral Student of the Doctoral School may be employed as an academic teacher or research and technical employee if he/she meets at least one of the following conditions:
   1) he/she implements a project financed from external funds providing for the participation of a Doctoral Student;
   2) he/she obtained a positive result of the mid-term evaluation;
   3) he/she is not eligible for a doctoral scholarship.
2. The Doctoral Student is obliged to immediately notify the Office of taking up employment at the University.
3. Performing the work referred to in paragraph 1 may not interfere with the activities set out in the curriculum.

§ 30

Doctoral Students may not conduct political activity or disseminate materials with political content on the University's premises.

VI. DOCTORAL STUDENTS WITH SPECIAL NEEDS – INCLUDING THOSE WITH DISABILITIES

§ 31

1. The University provides to the persons with special health-related needs - including Doctoral Students with disabilities, conditions for full participation in the life of the University and the academic community, including training, research work and scientific activities. The rights and forms of support referred to in paragraph 3 particularly contribute to the provision of the above-mentioned conditions.
2. The unit responsible for supporting and coordinating activities for persons with special needs - including Doctoral Students with disabilities is the Office of the Rector's Plenipotentiary for Students with Disabilities.
3. A Doctoral Student with special health-related needs - including a disability, if justified by his/her special needs, is entitled to the rights and services, including:
   1) ensuring the availability of the didactic process through, *inter alia*:
      a) ensuring the available: form, place, conditions and appropriate organisation,
      b) availability of teaching materials,
      c) the possibility of taking notes from classes for personal use in an alternative form (including by recording or taking photos);
      d) training according to the individual course of training;

2) ensuring the availability of the process of verification of learning outcomes, also ensuring the equivalence of the form and objectivity of the assessment, through, *inter alia*:
   a) ensuring the available: form, place, conditions and appropriate organisation,
   b) verification of learning outcomes within deadlines that take into account the special needs of the Doctoral Student;
   c) obtaining credits for classes in an individual mode;
3) postponement or reinstatement of deadlines;
4) elimination or limitation of factors that are harmful, burdensome and dangerous to health, occurring in the course of training, research or scientific activity, also applying for the limitation or elimination of factors that are harmful, burdensome or dangerous to health;
5) ensuring the availability of scientific research and scientific activity by ensuring, *inter alia*, the form, place, conditions and their appropriate organisation.

4. The Vice-Rector ensures or supports the implementation of the rights and services granted to the Doctoral Student.
5. Requests of a Doctoral Student with special needs - including with a disability, along with the necessary documentation, are submitted to the Rector's Plenipotentiary for Students with Disabilities via the Plenipotentiary's Office.
6. The Vice-Rector's decision is made in cooperation with the Rector's Plenipotentiary for Students with Disabilities. Medical documentation, certificates, etc. go to the documentation of the Office of the Plenipotentiary for Persons with Disabilities and are not included in the Doctoral Student's personal file.

VII. DISCIPLINARY RESPONSIBILITY OF DOCTORAL STUDENTS

§ 32

1. A Doctoral Student of the Doctoral School bears disciplinary responsibility for the violation of the regulations in force at the University and for acts offending the dignity of a Doctoral Student.
2. Disciplinary matters are adjudicated by the Disciplinary Committee for Doctoral Students and the Appeal Disciplinary Committee for Doctoral Students, appointed from among academic teachers and Doctoral Students, for the term of office of the University authorities in the manner specified in the Statute.

VIII. REMOVAL FROM THE LIST OF DOCTORAL STUDENTS

§ 33

1. A Doctoral Student of the Doctoral School who:
   1) has received a negative result of the mid-term evaluation;
   2) did not submit a doctoral dissertation within the time limit specified in the Research Plan;
   3) discontinued training at the Doctoral School;

   is removed from the list of Doctoral Students of the Doctoral School.
2. A Doctoral Student of the Doctoral School who:
   1) fails to fulfil his/her obligations, in particular:
      a) does not obtain credits within the prescribed period,
      b) does not implement the Research Plan in a timely manner,
      c) grossly neglects other obligations arising from the implementation of the curriculum;
   2) has had unsatisfactory progress in the preparation of a doctoral dissertation

   may be removed from the list of Doctoral Students of the Doctoral School.
3. A Doctoral Student who has not taken up training after the suspension period referred to in § 25(1) is removed from the list of Doctoral Students of the Doctoral School.
4. A Doctoral Student who has not submitted a doctoral dissertation during the extension period referred to in § 24(1-2) is removed from the list of Doctoral Students of the Doctoral School.

5. A Doctoral Student who fails to obtain a credit for the repeated course referred to in § 19(1)(2) is removed from the list of Doctoral Students of the Doctoral School.

§ 34

1. The decision regarding removal from the list of Doctoral Students is issued by the Vice-Rector for the Doctoral School and Clinical Research.
2. The Vice-Rector immediately notifies the relevant supervisor and the Scientific Council about the removal of a Doctoral Student from the list.
3. The person removed from the list of Doctoral Students of the Doctoral School has the right to request the Rector to reconsider the case within 14 days from the delivery of the decision.
4. The decision of the Rector is final.

IX. COMPLETION OF TRAINING

§ 35

1. Training at the Doctoral School ends with the submission of the doctoral dissertation in the manner specified by the Senate and requires the submission of a relevant document to the Doctoral School Office.
2. A Doctoral Student who completed training at the Doctoral School receives a certificate of learning outcomes for qualifications at level 8 of PQF.
3. At the Doctoral Student's request, the Office issues a certificate of classes completed as part of the curriculum at the Doctoral School.
4. Steps in the procedure for awarding a doctoral degree at the University are regulated by separate provisions.

Appendix No.1
to the Regulations of the Doctoral School
of the Medical University of Lublin

The content of the oath of a candidate for a doctoral student

"By joining the community of the Doctoral School of the Medical University of Lublin, I solemnly vow to:

- acquire and persistently expand the knowledge and skills necessary to obtain a doctoral degree;
- care for the dignity of the doctoral student and not defile it with bad and deceitful behaviour,
- maintain professional secrecy;
- obey the rules of coexistence and the regulations in force at the University".

Appendix No. 2a
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT'S PROFESSIONAL PRACTICE SHEET

1) practice in the form of participation as an observer in the classes conducted – 20 teaching hours; individual exercises in which the doctoral student participates are assessed;

General information					
First name and surname:		semester		academic year	……../……..
MUL organisational unit:					
Supervisor:					

Participation of a doctoral student in conducting classes – 20 teaching hours							
Item	Name of the course	Major/student group	Year	Number of hours	Conducted by	Date	Signature of the employee responsible for the course
1.							
2.							
3.							
4.							
5.							
6.							
7.							

PLEASE PRINT DOUBLE SIDED!

8.							
9.							
10.							

Total number of hours in the teaching of which the doctoral student participated:	

Doctoral student's signature	Stamp and signature of the employee responsible for the course

Sheet submission date	Stamp and signature of the Supervisor

PLEASE PRINT DOUBLE SIDED!

Appendix No. 2b
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT'S PROFESSIONAL PRACTICE SHEET

1) practice in the form of classes conducted by the doctoral student himself/herself – 60 teaching hours, after prior completion of the classes in the form of participation as an observer in the classes conducted; individual exercises which the doctoral student conducts by himself/herself are assessed;

General information					
First name and surname:		semester		academic year	……../……..
MUL organisational unit:					
Supervisor:					

Conducting classes by a doctoral student himself/herself – 60 teaching hours						
Item	Name of the course	Major/student group	Year	Number of hours	Date	Signature of the employee responsible for the course
1.						
2.						
3.						
4.						
5.						
6.						

PLEASE PRINT DOUBLE SIDED!

7.						
8.						
9.						
10.						

The total number of teaching hours conducted by the doctoral student himself/herself:	

Doctoral student's signature	Stamp and signature of the employee responsible for the course

Sheet submission date	Stamp and signature of the Supervisor

PLEASE PRINT DOUBLE SIDED!

Appendix No. 3
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Vice-Rector for the Doctoral School and Clinical Research

…….
of the Medical University of Lublin

REQUEST FOR A REST BREAK AT THE MUL DOCTORAL SCHOOL

I kindly request you to grant me ……. day(s) of rest break from ……. .to ……. ...

……..
(signature of the doctoral student)

Decision of the supervisor or supervisors: I give/do not give my consent*

…….. ……..

(stamp and signature of the supervisor) (stamp and signature of the supervisor/auxiliary supervisor)

* tick as appropriate

DECISION OF THE VICE-RECTOR FOR THE MUL DOCTORAL SCHOOL AND CLINICAL RESEARCH

I give/do not give my consent**

……..

(stamp and signature of the Vice-Rector)

* tick as appropriate

Appendix No. 4
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Vice-Rector for the Doctoral School and Clinical Research

…….
of the Medical University of Lublin

REQUEST FOR THE EXTENSION OF TRAINING AT THE MUL DOCTORAL SCHOOL

I kindly request you to extend the deadline for submitting the doctoral dissertation until …… ..

The justification for my request is*:

1. the necessity to conduct long-term scientific research;
2. temporary inability to continue training at the MUL Doctoral School due to an illness, longer than 3 months;
3. the need to personally care for a sick family member;
4. the need to personally care for a child under 4 years of age or a child with a disability;
5. special health-related needs.

* underline as appropriate

I attach the documents confirming the premises for extension:

- ……

- ……..

- ……..

Thank you for your consideration.

……..

(signature of the doctoral student)

Supervisor's opinion:

.....

.....

……..

(stamp and signature of the supervisor)

DECISION OF THE VICE-RECTOR FOR THE MUL DOCTORAL SCHOOL AND CLINICAL RESEARCH

1. I give my consent to the extension of the deadline for submitting the doctoral dissertation until .... *
2. I do not give my consent to the extension of the deadline for submitting the doctoral dissertation. *

……..

(signature and stamp of the Vice-Rector)

* tick as appropriate

Appendix No. 5
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Vice-Rector for the Doctoral School
and Clinical Research

.....
of the Medical University of
Lublin

REQUEST FOR SUSPENSION OF TRAINING AT THE MUL DOCTORAL SCHOOL

I kindly request for the suspension of training in the period from ……
.to …… ..
I attach the following documents to the request: ……..

……..
(signature of the doctoral student)

……..

(stamp and signature of the supervisor)

……..

(stamp and signature of the supervisor/auxiliary supervisor)

DECISION OF THE VICE-RECTOR FOR THE MUL DOCTORAL SCHOOL AND CLINICAL RESEARCH

I give my consent to the suspension of training at the MUL Doctoral School from ..... to ……

……..

(stamp and signature of the Vice-Rector)

Appendix No. 6

to the Regulations of the Doctoral School

INTERIM REPORT ON THE IMPLEMENTATION

OF INDIVIDUAL RESEARCH PLAN

(for year II)

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/auxiliary supervisor	

I. Implementation of the curriculum (to be implemented by semester VIII)

Item	**Mandatory development activities**	**Details**	**Remarks**

Item	**Professional practice**	**Implementation status**	**Remarks**
1.	Conducting classes		

Item	**Optional classes**	**Implementation status**	**Remarks**

1.	**Block A** - min. 2 out of 5 to be completed in the training cycle		
2.	**Block B** - min. 1 activity to be completed in the training cycle		
3.	**Block C** - min. 4 to be completed in the training cycle		

II. Implementation of the Individual Research Plan

a) according to the IRP schedule

Item	IRP assumptions/milestones	Implementation status	Remarks

b) publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MSHE points, Status of work – published/accepted for publication/sent *)

Item	

*** In the case of a published work, a printout from the library should be presented, in the case of a work accepted for publication - a letter from the Editorial Office /**

In the case of a sent work - a letter from the Editorial Office confirming the sending/printscreen and the manuscript

c) conference abstracts ** (please provide: Authors, Title of work, Name of the Scientific Conference, Year, Type of presentation (poster/oral presentation/printing in conference materials)

Item	

**** as confirmation - a printout from the library or conference materials confirmed by the Supervisor**

d) monographs * (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

Item	

***** as confirmation - a printout from the library**

e) patents (with confirmation of application)

Item	

f) Synthetic description of the task completed (up to 500 words)

IV. Opinion of the supervisor/supervisors (up to 250 words)

Date, stamp and signature of the supervisor	Date, stamp and signature of the second supervisor/auxiliary supervisor

Date of submission of the report	Doctoral student's signature

Appendix No. 7

to the Regulations of the Doctoral School

REPORT ON THE IMPLEMENTATION

OF INDIVIDUAL RESEARCH PLAN

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/auxiliary supervisor	
Year of education (III/IV/extension) *	

** delete as appropriate

I. Implementation of the curriculum (to be implemented by semester VIII)

Item	**Mandatory development activities**	**Details**	**Remarks**

Item	**Professional practice**	**Implementation status**	**Remarks**
1.	Conducting classes		

Item	**Optional classes**	**Implementation status**	**Remarks**

1.	**Block A** - min. 2 out of 5 to be completed in the training cycle		
2.	**Block B** - min. 1 activity to be completed in the training cycle		
3.	**Block C** - min. 4 to be completed in the training cycle		

II. Implementation of the Individual Research Plan

a) according to the IRP schedule

Item	IRP assumptions/milestones	Implementation status	Remarks

b) publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MSHE points, Status of work – published/accepted for publication/sent *)

Item	

*** In the case of a published work, a printout from the library should be submitted, in the case of a work accepted for publication - a letter from the Editorial Office / In the case of a sent work - a letter from the Editorial Office confirming the sending/printscreen from the system and a manuscript**

c) conference abstracts ** (please provide: Authors, Title of work, Name of the Scientific Conference, Year, Type of presentation (poster/oral presentation/printing in conference materials)

Item	

**** as confirmation - a printout from the library or conference materials confirmed by the Supervisor**

d) monographs * (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

Item	

**** as confirmation - a printout from the library**

e) patents (with confirmation of application)

Item	

IV. Opinion of the supervisor/supervisors (up to 250 words)

Date, stamp and signature of the supervisor	Date, stamp and signature of the second supervisor/auxiliary supervisor
Date of submission of the report	Doctoral student's signature

DECISION OF THE VICE-RECTOR FOR THE DOCTORAL SCHOOL AND CLINICAL RESEARCH

- In my opinion the implementation of the Individual Research Plan is satisfactory *
- In my opinion the implementation of the doctoral student's Individual Research Plan
  is not satisfactory and I request that the doctoral student be removed from the list of doctoral students of the Doctoral School *

* delete as appropriate

…… ……

Date Stamp and signature of the Vice-Rector

Appendix to Act No 258/2023
of the Senate of the Medical University in Lublin
of 26th April 2023

Regulations Of The Doctoral School Of The Medical University

Contents

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1. General Rulings

§ 1

The terms used in these Regulations have the following meanings:

1) University - Medical University of Lublin;
2) Senate - Senate the Medical University of Lublin;
3) Doctoral School - Doctoral School of the University of Lublin;
4) Prorector - Prorector for the Clinical Research and Doctoral School of the Medical University of Lublin;
5) Scientific Council or Council - Scientific Council of the Doctoral School of the Medical University of Lublin;

6) Act - the Act of 20th July 2018, the Law on Higher Education (The Journal of Laws of 2022, item 574, as amended);
7) Statute - the Statute of the Medical University of Lublin of 29th March 2023 (Act No. 246/2023 of the Senate of the Medical University of Lublin of 29th March 2023);
8) Regulations - the Regulations of the Doctoral School of the Medical University of Lublin;
9) Doctoral Student - a person undergoing training at the Doctoral School of the Medical University of Lublin;
10) Research Plan - Individual Research Plan;
11) Office - Doctoral School Office;
12) Mid-term Committee - Mid-term Evaluation Committee;

§ 2

1. The provisions of these Regulations apply to training at the Doctoral School conducted in stationary form.
2. Training at the Doctoral School is organised on the basis of the Legislation, executive acts to this Legislation and the Statute. The training of foreigners may also be subject to separate regulations.
3. The university community and this document are free from prejudice and stereotypes. With this in mind and the aim to simplify the language of the Regulation where masculine and impersonal forms are applied, the terms society, women, men, and non-binary people are understood.
4. When speaking of the student, candidate, supervisor, assistant supervisor of the professor, or people conducting educational lectures, we refer to a person of male, female, or other gender.
5. Training at the Doctoral School prepares students for a doctoral degree.
6. The Doctoral School accepts candidates holding a Master’s degree (Master), a Master’s degree following the Bachelor of Science degree

(Master of Engineering) or equivalent, or in exceptional cases justified by the highest quality of scientific achievements, graduates of first-cycle studies or students who have completed the third year of consistent Master's studies are admitted.

7. Training at the Doctoral School creates conditions for:
   1) independent work of a Doctoral Student;
   2) scientific cooperation in national and international research teams;
   3) the publishing of scientific articles by a Doctoral Student in peer-reviewed journals;
   4) preparation of a doctoral dissertation by a Doctoral Student under the tutelage of the supervisor, supervisors or assistant supervisor;
   5) implementing of the curriculum of the Doctoral School including compulsory and non-compulsory classes, in the form of lectures, exercises, seminars and professional practice;
   6) conducting scientific research under the guidance of the supervisor, supervisors or assistant supervisor;
   7) participating in activities of the scientific community in Poland and abroad.
8. Training may be conducted according to the curriculum of the Doctoral School or a curriculum including elements shared by the curriculum of another Doctoral School.
9. Training may be conducted according to an individual curriculum.
10. The implementation of the curriculum at the Doctoral School results in the achievement of learning outcomes for qualifications at level 8 of the Polish Qualifications Framework specified in the Act on the Integrated Qualification System and secondary legislation.

§ 3

1. The Doctoral Students of the Doctoral School form the Doctoral Students’ Council.

2. The Doctoral Students' Council operates based on the provisions of the Doctoral Students' Council Regulations.

2. Organisation of the Doctoral School

§ 4

1. The University conducts training at the Doctoral School in the field of medical sciences and health sciences, in the following disciplines:
   1) pharmaceutical science;
   2) medical science;
   3) health science.
2. Detailed rules and recruitment procedures for the Doctoral School are subject to separate regulations.

§ 5

1. The Doctoral School is managed by the Prorector for the Doctoral School and Clinical Research.
2. The Prorector for the Doctoral School and Clinical Research
   1) supervises the implementation of the curriculum at the Doctoral School;
   2) approves the Research Plan of individual Doctoral Students and any amendments made to it;
   3) performs an annual evaluation of the progress in the implementation of the Research Plan of individual Doctoral Students;
   4) makes decisions on crediting consecutive years of training at the Doctoral School;
   5) makes decisions on conducting the credit test before an examination board and appoints a board conducting this credit test;
   6) extends the deadline for submitting the doctoral dissertation (implementation of the Research Plan);

7) gives consent to the suspension of training at the Doctoral School;
8) in legitimate cases appears before the Scientific Council of the Doctoral School with an application to change supervisor, supervisors, or assistant supervisor;
9) decides to remove a Doctoral Student from the list of Doctoral Students of the Doctoral School;
10) approves the Doctoral Students' holiday breaks.

§ 6

1. The Scientific Council of the Doctoral School operates within the Doctoral School.
2. An employee holding the academic title of professor or the academic degree of habilitated doctor, employed full-time at the university may be a member of the Scientific Council.
3. A representative of the Doctoral Students' Council is a member of the Council.
4. A representative of the Rector's Plenipotentiary for Students with Disabilities may participate in the meetings of the Council, in an advisory capacity.
5. The Scientific Council supervises the content of training at the Doctoral School.
6. The Scientific Council is obliged to:
   1) devise, after consulting the Doctoral Students' Council, a curriculum of the Doctoral School;
   2) approve the organisation of classes conducted at the Doctoral School;
   3) substantially evaluate the Research Plan;
   4) define how the mid-term evaluation is to be carried out;
   5) appoint a supervisor, supervisors or an assistant supervisor of doctoral dissertations;

6) change the supervisor, supervisors or assistant supervisor of doctoral dissertations.

§ 7

The organisational unit of administration dealing with administrative support for Doctoral Students' training is the Office of the Doctoral School.

§ 8

1. The Student Portal and the Lecturer Module are personalised websites, integrated with the current database of the Integrated IT System of the University in areas related to the course of training, made available to doctoral students and teaching staff.
2. Training at the Doctoral School is conducted in accordance with the curriculum developed by the Scientific Council and adopted by the Senate, posted on the Student Portal or on the University's website, no later than 5 months before the start of recruitment.
3. Detailed schedules of classes are made available to Doctoral Students before the beginning of a given term.
4. All classes, as part of the monitoring of the quality of training, are subject to anonymous evaluation by Doctoral Students.
5. Unless these Regulations provide otherwise, correspondence between Doctoral Students and the University in connection with training at the Doctoral School (including applications, requests, statements, appeals, etc.) may be submitted in the following manner:
   1) in writing;
   2) in electronic form with a qualified electronic signature;
   3) in electronic form with a signature using a trusted profile or a personal signature;
   4) in electronic form mediated via e-mail on the website student.umlub.pl or through the Student Portal or in another form compliant with the Code of Administrative Procedure, subject to paragraph 6.

6. The application for reconsideration of cases concerning administrative decisions and appeals against administrative decisions are made in the form consistent with the Code of Administrative Procedure.
7. Unless the Regulations or the Act provide otherwise, the dates established in connection with training at the Doctoral School may be postponed at the justified request of the Doctoral Student, in particular due to health reasons.

3. Principles of training

§ 9

1. Training at the Doctoral School lasts four years (8 terms).
2. The year of training begins with the start of the winter or summer term respectively, as specified in the Rector's Ordinance for a given academic year, and lasts until 30th September of the following calendar year. However, a Doctoral Student commencing training in the summer term follows a detailed schedule of classes starting from the next winter semester.
3. The period for obtaining credits at the Doctoral School is the academic term.
4. A person admitted to the Doctoral School acquires the rights of a Doctoral Student at the moment of enrolment and taking the oath, the content of which is set out in Appendix No. 1 of this Regulation.
5. The course of training at the Doctoral School is documented:
   1) in the course credit reports;
   2) in cards of periodic achievements of the Doctoral Student;
   3) in the Individual Research Plan mid-term achievement report which is set out in Annex 6 of this Regulation (for the second year of study);

4) in the Individual Research Plan achievement reports which is set out in Annex 7 of this Regulation (for third and fourth years and continuations)

6. A Doctoral Student of the Doctoral School receives a Doctoral Student ID.
7. A person who completed training at the Doctoral School or was removed from the list of Doctoral Students of the Doctoral School is required to return the Doctoral Student ID before receiving a certificate confirming the achievement of a PQF level 8 qualification at the Doctoral School.

§ 10

1. Training at the Doctoral School is conducted on the basis of the curriculum and the Individual Research Plan.
2. Within 12 months from the date of commencement of training, the Doctoral Student, with agreement from the supervisor, supervisors, or supervisor and assistant supervisor, prepares a Research Plan and submits it to the Scientific Council.
3. After the content-related evaluation of the Individual Research Plan by the Scientific Council, it is submitted to the Prorector for approval.
4. The Research Plan specifically includes a schedule for the preparation of a doctoral dissertation and the date of its submission.
5. In the middle of the period of training, but not later than during the fourth term, the implementation of the Research Plan is subject to a mid-term evaluation.

§ 11

1. The Doctoral Student of the Doctoral School remains under the scientific supervision of the supervisor, supervisors or the supervisor and the assistant supervisor.
2. The role of supervisor can be fulfilled by a professor:

1) who possesses at least a postdoctoral degree in the given or related scientific discipline,
2) holding at least an academic achievement in a given or related scientific discipline and with scientific achievements published in the last 5 years in journals included in the lists of scientific journals and peer-reviewed materials from international conferences of the Ministry of Education and Science with an assigned discipline in accordance with the subject matter of the doctoral dissertation and those with the Impact Factor.
3) who has agreed in writing to supervise the doctoral student.

3. The supervisor can be a person who doesn't meet the expectations laid out in paragraph 2, who is an employee of an external university or scientific institute possessing relevant achievements related to scientific issues to which the doctoral dissertation concerns.
4. The supervisor cannot be a person who in the last 5 years:
   1) was the supervisor of 4 Doctoral Students who were removed from the list of Doctoral Students due to a negative result of the mid-term evaluation;
      or
   2) supervised the preparation of a dissertation by at least 2 persons applying for a doctoral degree who did not achieve positive reviews in the procedure for obtaining a doctoral degree;
5. The supervisor can supervise no more than 5 Doctoral Students, including those from doctoral studies and the Doctoral School, at the same time.
6. The number of Doctoral Students referred to in paragraph 5 does not include Doctoral Students whose research project is financed from external funds providing for the participation of a Doctoral Student.

§ 12

1. The supervisor's tasks include in particular:

1) developing a Research Plan with a Doctoral Student, including, among others, a schedule for the preparation of the doctoral dissertation and the deadline for its submission as well as presenting it to the Scientific Council within 12 months from the date of commencing training, but not later than before the end of the summer term of the first year of training at the Doctoral School;
2) assisting the Doctoral Student in scientific work;
3) providing funds for the implementation of research conducted by the Doctoral Student using the resources available to the individual or which may be obtained by the individual;
4) continuously assessing the progress of the Doctoral Student's research work by analysing and assessing the implementation of the Doctoral Student's Research Plan;
5) submitting an opinion to the Scientific Council at the end of each year of training

2. In the event of a negative result of evaluation of the implementation of the Research Plan by the Doctoral Student, the supervisor may:
   1) at the request of the Doctoral Student, submit a request to the Prorector for the Doctoral School and Clinical Research to change the Research Plan;
   2) submit a request to the Prorector for the Doctoral School and Clinical Research to remove a Doctoral Student from the list of Doctoral Students of the Doctoral School due to unsatisfactory progress in the preparation of the doctoral dissertation.

§ 13

1. Within 30 days from commencing training in the Doctoral School, the doctoral student shall appear in front of the Scientific Council with a request to assign the supervisor, supervisors, or assistant supervisor.
2. The Scientific Council appoints the supervisor or supervisors of the doctoral dissertation for the Doctoral Student within 3 months from the

date of commencing training based on the subject of the research project presented in the qualification procedure for the Doctoral School.

3. If the academic teacher appointed as a result of the recruitment is unable to supervise a doctoral dissertation, the Council appoints another supervisor from among the University's academic teachers, within the thematic area of the doctoral dissertation being prepared.
4. Moreover, at the request of the supervisor, the Scientific Council may appoint an additional supervisor or an assistant supervisor.

§ 14

1. The assistant supervisor can be a person:
   1) who possesses at least a doctorate qualification,
   2) who possesses a valid academic achievement compliant with a doctoral dissertation regarding a given or related discipline, which is attained by the Doctoral Student’s training, or of another discipline in the case of interdisciplinary work,
   3) who has agreed in writing to supervise the Doctoral Student.
2. The auxiliary supervisor in the procedure for awarding a doctoral degree plays an auxiliary role in the supervision over the Doctoral Student, in particular in the process of research and analysis of results.
3. The assistant supervisor gives an opinion on the Doctoral Student's Individual Research Plan before the Doctoral Student presents it to the Scientific Council.

§ 15

1. In justifiable cases, the Scientific Council may reassign the supervisor or supervisors.
2. In case of a change of the supervisor or supervisors, or the supervisor and assistant supervisor, the existing supervisors are required to

submit a declaration regarding the use of research results from the current work on the dissertation with the Doctoral Student.

3. The supervisor or supervisors are changed by the Scientific Council upon request within 30 days of its submission.
4. The supervisor or Doctoral Student may request the Scientific Council to change the supervisor or supervisors, or the supervisor and assistant supervisor of the doctoral dissertation.
5. In exceptional circumstances, the Prorector may request a change of the supervisor or supervisors, or supervisor and assistant supervisor.
6. The procedure to change the supervisor or supervisors, or supervisor and assistant supervisor doesn't have any influence on changes to the mid-term evaluation or accomplishment of the Research Plan.

§ 16

1. The implementation of the Individual Research Plan is subject to a mid-term evaluation.
2. Mid-term evaluation is carried out in the middle of the period of training, but no later than during the fourth term.
3. The mid-term evaluation is carried out by the Mid-term Evaluation Committee, composed of 3 persons, appointed by the Scientific Council of the Doctoral School.
4. The Committee referred to in paragraph 3 is composed of at least 1 person holding a degree of doctor of science or the title of professor in the discipline in which the doctoral dissertation is being prepared and employed externally from the University.
5. A person who doesn't meet the conditions in paragraph 4 but who is employed in a foreign academy or scientific institute can join the committee mentioned in paragraph 3 if the respective University of Medical Sciences Degrees Council in Lublin acknowledges that the person possesses significant achievements in scientific issues which are covered in the doctoral dissertation.

6. The supervisor and the assistant supervisor cannot be members of the Committee referred to in paragraph 3.
7. The mid-term evaluation consists of the following steps and is carried out in the following order:
   1) evaluation of the Doctoral Student's achievement of the curriculum;
   2) assessment of the consistency of the Doctoral Student's achievements with the assumptions of the Research Plan;
   3) timely execution of the schedule for the preparation of the doctoral dissertation;
   4) a presentation by the Doctoral Student on his/her achievements to date;
   5) a discussion with members of the Committee referred to in paragraph 3 on the presentation given by the Doctoral Student;
   6) arrangement by the Committee referred to in paragraph 3 of the mid-term evaluation result
8. The mid-term evaluation ends with a positive or negative result.
9. The results of the mid-term evaluation are available for the Doctoral Student and the supervisor or supervisors, or supervisor and assistant supervisor.
10. Negative assessments require justification.
11. A Doctoral Student may appeal against a negative result of the mid-term evaluation to the Prorector. The deadline for submitting an appeal with justification is 7 days from the date of making the results of the evaluation available. The appeal is examined by a new Mid-term Evaluation Committee. The decision of the Committee is final.
12. If the result of the mid-term evaluation is negative, the Doctoral Student is removed from the list of Doctoral Students of the Doctoral School.

§ 17

1. Classes at the Doctoral School can be conducted by academic teachers holding at least a doctoral degree, with the exception of foreign language teachers and persons conducting classes on the principles of financing and managing research grants and scientific information. An individual without a doctoral degree but possessing specialist knowledge in the given subject should possess at least 4 years of professional work experience.
2. Classes for Doctoral Students are conducted in Polish or English in the form of compulsory and optional classes, completed with credits, on the dates provided in the detailed schedule of classes.
3. Upon a reasoned request addressed to the Scientific Council, the contents set out in the curriculum of the Doctoral School may be learnt through self-study, at the end of which a Doctoral Student proceeds to the projected programme of credit training.
4. After consulting the person responsible for the given course and the Scientific Council of the Doctoral School, the Prorector verifies and credits the learning outcomes obtained outside the Doctoral School.
5. The programme and the number of class hours are determined by the curriculum of the Doctoral School as established by the Scientific Council on the basis of the learning outcomes for qualifications at PQG level 8 adopted by the Senate.
6. The size of class groups is determined by the Rector’s Ordinance.
7. For credits, the division of the academic year determined by the Ordinance of the Rector and the following rules apply:
   1) credit deadlines are set and given to Doctoral Students by the teachers at the beginning of the classes;
   2) for each credit there are two deadlines provided that the first credit deadline is set after the end of the classes, but not later than 2 weeks after the last classes.
8. The Doctoral Student, for whom exceptional circumstances make it impossible to proceed to crediting by deadlines set out in paragraph 7,

can submit an application to the Prorector for transferring additional credits.

9. The results of the credits are entered by the teachers into electronic reports.
10. It is permitted to publish the results related to the Doctoral Students' training process in electronic form or in the information displayed in the display case of the University's organisational unit, in a manner agreed between the teacher and Doctoral Students. Published information may include the number of the Doctoral Student's register and the crediting result.
11. It is allowed to record (tape) the course of classes, credit tests, exams, meetings with Doctoral Students, i.e. recording the image with the use of image recording devices (without audio).
12. Logging (recording) will be carried out only on devices owned by the Medical University of Lublin.
13. The recordings will be stored only on the devices owned by the University.
14. The Doctoral Students will be informed about the planned recording before the recording starts.
15. The above-mentioned recording will be made for archival purposes and for the pursuit of claims and defence against claims and the recorded footage will not be made available on the University websites or made public in any way. Only Doctoral Students and the entities authorised to access this data will have access to the recordings.

§ 18

1. A Doctoral Student who raises concern about the correctness of the subject crediting may, within 7 days from the date of issuing the subject crediting, submit a written, justified request to the Prorector to carry out a credit test before an examination board.

2. The person conducting classes and transferring committee credits is also entitled to submit a request for a credit test conducted before an examination board.
3. The Prorector may order a committee credit before an examination board on his/her own account.
4. The prorector appoints the committee credit transfer board withing 7 days of the form receival.
5. The examination board referred to in paragraph 4 is composed of:
   1) a member of the Scientific Council appointed by the Prorector as the Chairperson;
   2) Doctoral Student’s supervisor or supervisors;
   3) a person who previously evaluated the Doctoral Student, and in the event of circumstances preventing his/her participation in the credit test - a specialist in a given or related discipline;
   4) a person holding at least a specialist postdoctoral degree in the required discipline;
   5) a representative of the Doctoral Students' Council designated by the Doctoral Student;
   6) a representative of the Office of the Rector’s Plenipotentiary for Students with Disabilities - at the request of a Doctoral Student with special needs due to his/her state of health.
6. The result of the credit test before an examination board is entered into the minutes by the Chairperson of the board.
7. Commission credits should take place no earlier than 7 calendar days and no later than 14 calendar days after receival of the application.
8. The commission crediting before an examination board takes place at the Doctoral School Office on the date set out by the Prorector, orally or otherwise in accordance with § 31.
9. The scope of the credit test before an examination board does not go beyond the issues presented to the Doctoral Student before the beginning of the classes.

§ 19

1. With respect to a Doctoral Student who did not complete a year of training or did not meet other requirements to continue training at the Doctoral School, the Prorector makes a decision regarding:
   1) conditional admission for the next year of training;
   2) repetition of one failed course from the first year while continuing training in the second year, whereas credit for the repeated course should be obtained no later than by the mid-term evaluation date;

   or issues an administrative decision on:
   3) removal from the list of Doctoral Students of the Doctoral School.
2. The decisions referred to in paragraph 1(1-2) are made by the Prorector at the written request of the Doctoral Student, submitted no later than 7 days from the date of receiving the credit test results.
3. The right to repeat a course with continuation of training and the right to repeat more than one course without the right to continue training is granted to a Doctoral Student once in the course of training at the Doctoral School.

§ 20

The Doctoral Student who has not obtained a credit may receive consent of the Prorector for undergoing training in the next academic year with the obligation to meet the condition within the time limit as specified in the decision of the Prorector for the Doctoral School and Clinical Research in accordance with the lesson timetable.

§ 21

1. The transfer to the Doctoral School of a Doctoral Student enrolled in another doctoral school takes place with the consent of the Prorector after the application has been approved by the Scientific Council from the beginning of each semester.

2. A Doctoral Student may transfer from another doctoral school within the disciplines in which training at the Doctoral School is conducted, after completing the first semester or year.
3. When assessing the application, the Prorector takes into account the opinion of the previous supervisor and an approval of the supervisor proposed in the application.
4. In the transfer decision, the Prorector specifies the obligation to compensate for curricular differences within the time limit and on the terms corresponding to the organisational capability of the University.
5. After the Prorector's refusal an application for reconsideration of the case may be filed with the Rector.

§ 22

1. The duration of professional practice at the Doctoral School, required by the curriculum, is 80 hours during the entire course of training, subject to paragraphs 2, 6, and 7.
2. During the period of training at the Doctoral School, the Doctoral Student undergoes professional practice:
   1) in the form of participation as an observer in 20 hours of classes;
   2) in the form of 60 hours of classes conducted by himself/herself, after prior completion of the classes in the form of participation as an observer in the classes conducted.
3. Professional practice should be carried out during the 1st to 3rd year of training. In justified cases, at the request of the head of the teaching unit in which the Doctoral Student undergoes practice or at the request of the supervisor, the professional practice may be transferred to the next year of training. The decision on this matter is made by the Prorector.
4. A Doctoral Student undergoing training in an entity where overtime hours are not provided in a given academic year may, at the request of the head of this entity allocated to the Prorector, complete part of

the classes in another teaching unit. A Doctoral Student is referred to another teaching entity in consultation with the Teaching Development Centre and the head of this entity in accordance with the professional qualifications of the Doctoral Student. Decisions regarding referrals to another educational entity of the university are made by the Prorector.

5. Participation in the Doctoral Student's classes and the conducting of classes by the Doctoral Student himself/herself are assessed on the basis of the Doctoral Student's Professional practice sheet, constituting Attachments No. 2a and 2b to these Regulations.
6. The participation of a Doctoral Student acting as a contractor in research projects financed by external parties carried out as a contractor, entitles the supervisor to apply to the Prorector to reduce the number of hours of classes of the Doctoral Student to a minimum of 20 hours, including at least 10 hours conducted by himself/herself.
7. If the Doctoral Student is absent from the University for at least 1 year, the number of hours conducted by himself/herself may be reduced, but to no less than 30 teaching hours. The number of teaching hours is reduced by the Prorector at the request of the head of the teaching unit in which the Doctoral Student conducts teaching hours, in agreement with the supervisor.
8. With respect to a Doctoral Student returning from maternity leave, leave on the terms of maternity leave, paternity leave and parental leave, specified in separate regulations, or after an absence lasting more than 2 months, confirmed by medical documentation, the unfulfilled obligation to undergo professional practice in the form of teaching or participating in classes may be transferred to the next academic year.
9. The professional practice of a Doctoral Student of the Doctoral School employed as an academic teacher, conducting classes at the University is deemed completed.

4. Breaks and rules for extending training at the Doctoral School

§ 23

1. Doctoral Students have the right to breaks not exceeding 8 weeks per year.
2. A request for a break is submitted by the Doctoral Student to the Prorector after obtaining prior consent of the supervisor or supervisors. The application is attached as Attachment Number 3 to the Regulations.

§ 24

1. The deadline for submitting the doctoral dissertation, as specified in the Research Plan, may be extended, but not longer than by 2 years, according to the terms set out in these Regulations.
2. The Prorector, at the Doctoral Student's request, after obtaining the opinion of the supervisor, supervisors, or supervisor and assistant supervisor, can postpone the deadline for submitting the doctoral dissertation in justifiable and documented cases related to:
   1) the necessity to conduct long-term scientific research;
   2) temporary inability of a Doctoral Student to continue training due to an illness, longer than 3 months;
   3) the need to care for a sick family member;
   4) the need to care for a child up to 4 years of age or a child with a disability;
   5) special health-related needs.
3. A request for an extension of the deadline for the submission of the doctoral dissertation laid out in paragraph 2, point 1 contains the justification confirmed by the supervisor.
4. The documents confirming the premises for extending the period of training at the Doctoral School are attached to the request referred to

in paragraph 2(2-5). The application is attached as Attachment Number 4 to the Regulations.

5. If the period of training at the Doctoral School is extended, no doctoral scholarship for this period is granted.

§ 25

1. The Prorector can suspend, at the request of the Doctoral Student, the period of training at the Doctoral School for a period corresponding to maternity leave, leave on the conditions of maternity leave, paternity leave and parental leave, as specified in separate regulations, at the same time exempting the Doctoral Student from the obligation to participate in classes.
2. An application to request the suspension of training at the Doctoral School is attached as Appendix No. 5 to these Regulations.
3. The documents confirming the premises for the suspension of training at the Doctoral School referred to in paragraph 1 are attached to the request referred to in paragraph 2.
4. In the case of a suspension of training at the Doctoral School, the provisions on determining the maternity allowance apply accordingly to the determination of the amount of the doctoral scholarship, although the basis for the allowance is the amount of the monthly doctoral scholarship available on the day of submitting the request for suspension.

5. Doctoral student's rights and obligations

§ 26

A Doctoral Student has the right to:

1) gain knowledge in a selected discipline, develop his/her own scientific interests;

2) receive scientific guidance and conduct scientific research as well as participate in research carried out by the University;
3) extend training at the Doctoral School based on the terms set out in these Regulations;
4) in justified cases, carry out a part of work on the doctoral dissertation outside the University on a secondment basis;
5) carry out domestic and foreign research internships related to the doctoral dissertation using the funds provided for scientific activity, with the consent of the supervisor or supervisors and the Prorector, provided that such a trip may not cause an extension of training at the Doctoral School,
6) use the teaching rooms, sports facilities, university equipment and resources, and the help of academic teachers and university bodies,
7) associate in the Doctoral Students' organisations at the university;
8) social insurance and general health insurance, on the terms set out in separate regulations;
9) receive awards and distinctions;
10) receive material assistance on the terms set out in the Regulations on granting benefits of the Medical University of Lublin;
11) participate in scheduled consultations;
12) third party liability insurance in the field of research and teaching activities in the form of professional practice;
13) evaluate the forms of classes conducted in organisational units of the University through the Student Portal, evaluate the educational work of academic teachers, the work of the Doctoral School Office and have access to the results of reports through the University's website, on the terms specified in the Rector's ordinance.

§ 27

A Doctoral Student is required to:

1) follow the Regulations of the Doctoral School;

2) follow the wording of the oath;
3) comply with the Statute, Regulations of the Doctoral Students' Self-Government and other generally applicable laws and internal legal acts of the University;
4) keep secret all information subject to protection, obtained during training at the Doctoral School, especially data on patients, as well as comply with the rules of handling the information and data obtained, in particular with regard to protection thereof against unauthorised access, unjustified modification or destruction, illegal disclosure or acquisition, as well as use it only for purposes related to the activities carried out within the framework of training;
5) establish a Research Plan with the supervisor or supervisors and submit it to the Scientific Council by the end of the first year to receive their opinion;
6) implement the curriculum and the Research Plan in a timely manner;
7) participate in domestic and foreign conferences related to the work on the doctoral dissertation as well as in lectures and specialist training in the country or abroad, using the funds provided for the statutory activity or own research of the University unit;
8) conduct research in accordance with the Research Plan and submit annual reports on its implementation to the supervisor or supervisors and the Council;
9) undergo professional practice in the form of teaching or participation in teaching in organisational units of the University.

§ 28

1. A Doctoral Student without a doctoral degree receives a doctoral scholarship, with the provision that the total period of receiving a doctoral scholarship may not exceed 4 years (48 months).

2. The payment of the doctoral scholarship during the suspension of training is not included in the period referred to in paragraph 1.
3. Rules regarding the allocation of postgraduate scholarships are set out in the Act
4. Scholarship payments will be completed before the 15th of each month, made payable to the provided bank account, with the exception of the payment in October which may be completed before the 31st of October.
5. A Doctoral Student with a specific degree of disability but not holding a doctoral degree, is entitled to a doctoral scholarship increased by 30% of the monthly doctoral scholarship.

§ 29

1. A Doctoral Student of the Doctoral School may be employed as an academic teacher or research and technical employee if he/she meets at least one of the following conditions:
   1) he/she implements a project financed from external funds providing for the participation of a Doctoral Student;
   2) he/she obtained a positive result of the mid-term evaluation;
   3) he/she is not eligible for a doctoral scholarship.
2. The Doctoral Student is obliged to immediately notify the Office of taking up employment at the University.
3. Performing the work referred to in paragraph 1 may not interfere with the activities set out in the curriculum.

§ 30

Doctoral Students may not conduct political, religious, or commercial activity or distribute materials with political, religious, or commercial content on the University's premises.

6. Doctoral Students with special needs - including those with disabilities

§ 31

1. The University provides to the persons with special health-related needs - including Doctoral Students with disabilities, conditions for full participation in the life of the University and the academic community, including training, research work and scientific activities. The rights and forms of support referred to in paragraph 3 particularly contribute to the provision of the above-mentioned conditions.
2. The individual responsible for supporting and coordinating activities for persons with special needs - including Doctoral Students with disabilities is the Office of the Rector's Plenipotentiary for Students with Disabilities.
3. A Doctoral Student with special health-related needs - including a disability, if justified by his/her special needs, is entitled to the rights and services, including:
   1) ensuring the availability of the didactic process through, inter alia:
      a) ensuring the available: form, place, conditions and appropriate organisation,
      b) availability of teaching materials,
      c) the possibility of taking notes from classes for personal use in an alternative form
      d) training according to the individual course of training;
   2) ensuring the availability of the process of verification of learning outcomes, also ensuring the equivalence of the form and objectivity of the assessment, through, inter alia:
      a) ensuring the available: form, place, conditions and appropriate organisation,
      b) verification of learning outcomes within deadlines that take into account the special needs of the Doctoral Student;
      c) individually obtaining credits for classes ;

3) postponement or reinstatement of deadlines;
4) elimination or limitation of factors that are harmful, burdensome and dangerous to health, occurring in the course of training, research or scientific activity, also applying for the limitation or elimination of factors that are harmful, threatening or dangerous to health;
5) ensuring the availability of scientific research and scientific activity by ensuring, inter alia, the form, place, conditions and their appropriate organisation.

4. The Prorector ensures or supports the implementation of the rights and services granted to the Doctoral Student.
5. Requests of a Doctoral Student with special needs - including with a disability, along with the necessary documentation, are submitted to the Rector's Plenipotentiary for Students with Disabilities via the Plenipotentiary's Office.
6. The Prorector's decision is made in cooperation with the Rector's Plenipotentiary for Students with Disabilities. Medical documentation, certificates, etc. are forwarded to the records of the Office of the Plenipotentiary for Persons with Disabilities and are not stored in the Doctoral Student's personal file.

7. Disciplinary responsibility of doctoral students

§ 32

1. A Doctoral Student of the Doctoral School bears disciplinary responsibility for the violation of the regulations in force at the University and for acts offending the dignity of a Doctoral Student.
2. Disciplinary matters are adjudicated by the Disciplinary Committee for Doctoral Students and the Appeal Disciplinary Committee for Doctoral Students, appointed from among academic teachers and Doctoral Students, for the term of office of the University authorities in the manner specified in the Statute.

8. Removal from the list of doctoral students

§ 33

1. A Doctoral Student of the Doctoral School who:
   1) has received a negative result of the mid-term evaluation;
   2) did not submit a doctoral dissertation within the time limit specified in the Research Plan;
   3) discontinued training at the Doctoral School;
   4) did not instigate training
   5) is a Doctoral Student in more than one Doctoral School or is employed as a professor or researcher,
   6) was expelled from a Doctoral School,

   has been removed from the list of Doctoral Students of the Doctoral School.
2. For cases in which a Doctoral Student is removed from the list of Doctoral Students, in cases mentioned in paragraph 1, point 5, the Student is required to resign, within no fewer than 30 days, from training in other doctoral schools and employment as a professor or researcher.
3. A Doctoral Student of the Doctoral School who:
   1) fails to fulfil his/her obligations, in particular:
      a) does not adhere to the Regulations of the Doctoral School;
      b) does not obtain credits within the expected period,
      c) does not implement the Research Plan in a timely manner,
      d) grossly neglects other obligations implemented in the curriculum;
   2) has made unsatisfactory progress in the preparation of a doctoral dissertation

   may be removed from the list of Doctoral Students of the Doctoral School.

4. A Doctoral Student who has not taken up training after the suspension period referred to in § 25(1) is removed from the list of Doctoral Students of the Doctoral School.
5. A Doctoral Student who has not submitted a doctoral dissertation during the extension period referred to in § 24(1-2) is removed from the list of Doctoral Students of the Doctoral School.
6. A Doctoral Student who fails to obtain a credit for the repeated course referred to in § 19(1)(2) is removed from the list of Doctoral Students of the Doctoral School.

§ 34

1. The decision to be removed from the list of Doctoral Students is made my the Prorector.
2. The Prorector will immediately notify the appropriate supervisor, supervisors, assistant supervisor and Science Council regarding the removal of Doctoral Students from the list.
3. The person removed from the list of Doctoral Students of the Doctoral School has the right to request the Rector to reconsider the case within 14 days from the delivery of the decision.
4. The decision of the Rector is final.

9. Completion of training

§ 35

1. Training at the Doctoral School ends with the submission of the doctoral dissertation in the manner specified by the Senate and requires the submission of a relevant document to the Doctoral School Office.
2. A Doctoral Student who completed training at the Doctoral School will receive a PQF level 8 certificate.

3. At the Doctoral Student's request, the Office issues a certificate of classes completed as part of the curriculum at the Doctoral School.
4. Steps in the procedure for awarding a doctoral degree at the University are regulated by separate provisions.

Resolution No. 258/2023
Senate of the Medical University of Lublin

of April 26, 2023

on the Regulations of the Doctoral School of the Medical University of Lublin

Pursuant to Article 205 of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2023, item 742) and § 24 point 21 of the Statutes of the Medical University of Lublin of March 29, 2023, the Senate hereby resolves as follows:

§ 1
The Senate of the Medical University of Lublin adopts the Regulations of the Doctoral School, constituting an Appendix to this resolution.

If, within three months of the adoption of these Regulations, the Doctoral Student Council expresses its objection to their content, and in the absence of agreement, the University Senate shall adopt a new resolution.

§ 3
Resolution 168/2022 of the Senate of the Medical University of Lublin of April 27, 2022, on the Regulations of the Doctoral School of the Medical University of Lublin shall be repealed.

§ 4
The resolution shall enter into force on October 1, 2023.

Chair of the Senate
Rector of the Medical University of Lublin, Prof. Wojciech
Załuska, PhD

Resolution No. 304/2023
of the Senate of the Medical University of Lublin

of September 20, 2023

amending Resolution No. 258/2023 of the Senate of the Medical University of Lublin of April 26, 2023, on the Regulations of the Doctoral School of the Medical University of Lublin

Pursuant to Article 205(2) and (5) of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2023, item 742, as amended) and
§ 24(21) of the Statutes of the Medical University of Lublin of March 29, 2023, the Senate hereby resolves as follows:

§ 1

The Regulations of the Doctoral School constituting an Appendix to Resolution No. 258/2023 of the Senate of the Medical University of Lublin of April 26, 2023, on the Regulations of the Doctoral School of the Medical University, the following amendments are introduced:

1) § 29 is repealed;
2) in § 33:
   a) in paragraph 1(5), the words "or is employed as an academic teacher or researcher" are deleted;
   b) paragraph 2 shall read as follows:
      "2. In proceedings concerning the removal of a doctoral student from the list of doctoral students, in the cases referred to in paragraph 1(5), the doctoral student shall be requested to submit, within a period of not less than thirty days, a resignation from education at another doctoral school.";
3) § 35(1) shall read as follows:

"1. Education at the Doctoral School shall end with the submission of a doctoral dissertation together with a positive opinion from the supervisor or supervisors, in the manner specified by the Senate and requires the submission of an appropriate certificate to the Office.

§ 2

The resolution shall enter into force on October 1, 2023.

Chair of the Senate
Rector of the Medical University of Lublin, Prof.
Wojciech Załuska, PhD
/electronically signed document/

Appendix No.1
to the Regulations of the Doctoral School
of the Medical University of Lublin

The body of the candidates oath for a doctoral student

"By joining the community of the Doctoral School of the Medical University of Lublin, I solemnly vow to:

- acquire and persistently expand the knowledge and skills necessary to obtain a doctoral degree;
- care for the dignity of the doctoral student and not desecrate it with bad and deceitful behaviour,
- maintain professional discretion;
- obey the rules of coexistence and the regulations in force at the University. "

Appendix No. 2a
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT'S PROFESSIONAL PRACTICE SHEET

1) practice in the form of participation as an observer in the classes conducted - 20 teaching hours; individual exercises in which the doctoral student participates are assessed;

General information					
First name and surname:		term		academic year	……../……..
MUL organisational entity:					
Supervisor:					

Participation of a doctoral student in conducting classes - 20 teaching hours							
Item	Name of the course	Major/student group	Year	Number of hours	Conducted by	Date	Signature of the employee responsible for the course
1.							
2.							
3.							
4.							
5.							
6.							
7.							

PLEASE PRINT DOUBLE SIDED!

8.							
9.							
10.							
Total number of teaching hours in which the doctoral student participated:							

Doctoral student's signature	Stamp and signature of the employee responsible for the course
Form submission date	Supervisor’s stamp and signature

PLEASE PRINT DOUBLE SIDED!

Appendix No. 2b
to the Regulations of the Doctoral School
of the Medical University of Lublin

DOCTORAL STUDENT'S PROFESSIONAL PRACTICE SHEET

1) practice in the form of classes conducted by the doctoral student - 60 teaching hours, after prior completion of the classes in the form of participation as an observer in the classes conducted; individual exercises which the doctoral student conducts by himself/herself are assessed;

General information					
First name and surname:		term		academic year	……../……..
MUL organisational entity:					
Supervisor:					

Conducting classes by a doctoral student - 60 teaching hours						
Item	Name of the course	Major/student group	Year	Number of hours	Date	Signature of the employee responsible for the course
1.						
2.						
3.						
4.						
5.						
6.						

PLEASE PRINT DOUBLE SIDED!

7.						
8.						
9.						
10.						

The total number of teaching hours conducted by the doctoral student:

Doctoral student's signature	Stamp and signature of the employee responsible for the course

Form submission date	Supervisor’s stamp and signature

PLEASE PRINT DOUBLE SIDED!

Appendix No. 3
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Prorector for the Doctoral School and Clinical Research

……..
of the Medical University of Lublin

REQUEST FOR A REST BREAK AT THE M.U.L DOCTORAL SCHOOL

I kindly request to be issued …… day(s) of rest break from ……
to ……

……..
(signature of the doctoral student)

Decision of the supervisor or supervisors: I give/do not give my consent*

…….. ……..

(stamp and signature of the supervisor) (stamp and signature of the supervisor/assistant supervisor)

* tick as appropriate

DECISION OF THE PRORECTOR FOR THE M.U.L DOCTORAL SCHOOL AND CLINICAL RESEARCH

I give/do not give my consent**

……..

(stamp and signature of the Prorector)

* tick as appropriate

Appendix No. 4
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Prorector for the Doctoral School and Clinical Research

…….
of the Medical University of Lublin

REQUEST FOR THE EXTENSION OF TRAINING AT THE M.U.L DOCTORAL SCHOOL

I kindly request for a deadline extension for submitting the doctoral dissertation until

…… ..

The justification for my request is*:

1. the necessity to conduct long-term scientific research;
2. temporary inability to continue training at the MUL Doctoral School due to illness, longer than 3 months;
3. the need to care for a sick family member;
4. the need to care for a child under 4 years of age or a child with a disability;
5. special health-related needs.

* underline as appropriate

I attach the documents confirming the premises for the extension:

- ……
- ……..
- ……..

Thank you for your consideration.

……..

(signature of the doctoral student)

Supervisor's opinion:

……..……

……..…….

……

……

……..

……..

(stamp and signature of the supervisor)

DECISION OF THE PRORECTOR FOR THE M.U.L DOCTORAL SCHOOL AND CLINICAL RESEARCH

1. I give my consent for the deadline extension for submitting the doctoral dissertation until ..... *
2. I do not give my consent for the deadline extension for submitting the doctoral dissertation. *

……..

(signature and stamp of the Prorector)

* tick as appropriate

Appendix No. 5
to the Regulations of the Doctoral School
of the Medical University of Lublin

Lublin, ...

……..
(name and surname of the doctoral student)

……..
(PESEL)

……..
(telephone number)

……..
(mode of study/year of study)

Prorector for the Doctoral School and Clinical Research

.....
of the Medical University of Lublin

REQUEST FOR SUSPENSION OF TRAINING AT THE M.U.L DOCTORAL SCHOOL

I kindly request for the suspension of training for the period from ……
to ……
I attach the following documents: ……

……..
(signature of the doctoral student)

……..

(stamp and signature of the supervisor)

……..

(stamp and signature of the supervisor/assistant supervisor)

DECISION OF THE PRORECTOR FOR THE M.U.L DOCTORAL SCHOOL AND CLINICAL RESEARCH

I give my consent to the suspension of training at the MUL Doctoral School from ..... to ……

……..

(stamp and signature of the Prorector)

Appendix No. 6

to the Regulations of the Doctoral School

INTERIM REPORT ON THE IMPLEMENTATION

OF INDIVIDUAL RESEARCH PLAN (for the 2nd year)

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor	

I. Implementation of the curriculum (to be implemented by term 8)

Item	Mandatory development activities	Details	Remarks

Item	Professional practice	Implementation status	Remarks
1.	Conducting classes		

Item	Optional classes	Implementation status	Remarks
1.	**Block A** - min. 2 out of 5 to be completed in the training cycle		
2.	**Block B** - min. 1 activity to be completed in the training cycle		
3.	**Block C** - min. 4 to be completed in the training cycle		

II. Implementation of the Individual Research Plan

a) **according to the IRP schedule**

Item	IRP assumptions/milestones	Implementation status	Remarks

b) **publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MSHE points, Status of work - published/accepted for publication/sent *)**

Item	

*** In the case of published work, a printout from the library should be presented, but in the case of a work accepted for publication, a letter from the Editorial Office / In the case of sent work - a letter from the Editorial Office confirming the sending/printscreen and the manuscript**

c) conference abstracts ** (please provide: Authors, Title of work, Name of the Scientific Conference, Year, Type of presentation (poster/oral presentation/printing in conference materials)

Item	

**** as confirmation - a printout from the library or conference materials confirmed by the Supervisor**

d) monographs * (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

Item	

***** as confirmation - a printout from the library**

e) patents (with confirmation of application)

Item	

f) Synthetic description of the task completed (up to 500 words)

……

<u>IV. Opinion of the supervisor/supervisors (up to 250 words)</u>

Date, stamp and signature of the supervisor	Date, stamp and signature of the second supervisor/assistant supervisor
Date of submission of the report	Doctoral student's signature

Appendix No. 6
to the Regulations of the Doctoral School

INTERIM REPORT ON THE IMPLEMENTATION OF INDIVIDUAL RESEARCH PLAN

(for the 2nd year)

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor	

I. Implementation of the curriculum (to be implemented by term 8)

Item	**Mandatory development activities**	**Details**	**Remarks**

Item	**Professional practice**	**Implementation status**	**Remarks**
1.	Conducting classes		

Item	**Optional classes**	**Implementation status**	**Remarks**

1.	**Block A** - min. 2 out of 5 to be completed in the training cycle		
2.	**Block B** - min. 1 activity to be completed in the training cycle		
3.	**Block C** - min. 4 to be completed in the training cycle		

II. Implementation of the Individual Research Plan

a) according to the IRP schedule

Item	IRP assumptions/milestones	Implementation status	Remarks

b) publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MSHE points, Status of work - published/accepted for publication/sent *)

Item	

*** In the case of published work, a printout from the library should be presented, but in the case of a work accepted for publication, a letter from the Editorial Office /**

In the case of sent work - a letter from the Editorial Office confirming the sending/printscreen and the manuscript

c) conference abstracts ** (please provide: Authors, Title of work, Name of the Scientific Conference, Year, Type of presentation (poster/oral presentation/printing in conference materials)

Item	

**** as confirmation - a printout from the library or conference materials confirmed by the Supervisor**

d) monographs * (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

Item	

***** as confirmation - a printout from the library**

e) patents (with confirmation of application)

Item	

f) Synthetic description of the task completed (up to 500 words)

IV. Opinion of the supervisor/supervisors (up to 250 words)

Date, stamp and signature of the supervisor	Date, stamp and signature of the second supervisor/assistant supervisor

Date of submission of the report	Doctoral student's signature

Appendix No. 7
to the Regulations of the Doctoral School

REPORT ON THE IMPLEMENTATION
OF INDIVIDUAL RESEARCH PLAN

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor	
Year of education (3/4/extension) *	

** delete as appropriate

I. Implementation of the curriculum (to be implemented by term 8)

Item	**Mandatory development activities**	**Details**	**Remarks**

Item	**Professional practice**	**Implementation status**	**Remarks**
1.	Conducting classes		

Item	**Optional classes**	**Implementation status**	**Remarks**

1.	**Block A** - min. 2 out of 5 to be completed in the training cycle		
2.	**Block B** - min. 1 activity to be completed in the training cycle		
3.	**Block C** - min. 4 to be completed in the training cycle		

II. Implementation of the Individual Research Plan

a) according to the IRP schedule

Item	IRP assumptions/milestones	Implementation status	Remarks

b) publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MSHE points, Status of work - published/accepted for publication/sent *)

Item	

*** In the case of published work, a printout from the library should be submitted. In the case of work accepted for publication, a letter from the Editorial Office. In the case of sent work, a letter from the Editorial Office confirming the sending/printscreen from the system and a manuscript**

c) conference abstracts ** (please provide: Authors, Title of work, Name of the Scientific Conference, Year, Type of presentation (poster/oral presentation/printing in conference materials)

Item	

**** as confirmation - a printout from the library or conference materials confirmed by the Supervisor**

d) monographs * (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

Item	

**** as confirmation - a printout from the library**

e) patents (with confirmation of application)

Item	

<u>IV. Opinion of the supervisor/supervisors (up to 250 words)</u>

Date, stamp and signature of the supervisor	Date, stamp and signature of the second supervisor/assistant supervisor

Date of submission of the report	Doctoral student's signature

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DECISION OF THE PRORECTOR FOR THE DOCTORAL SCHOOL AND CLINICAL RESEARCH

- In my opinion the implementation of the Individual Research Plan is satisfactory *
- In my opinion the implementation of the doctoral student's Individual Research Plan is not satisfactory and I request that the doctoral student be removed from the list of doctoral students of the Doctoral School *

* delete as appropriate

……. …….

Date Stamp and signature of the Prorector

Terms and conditions of admission to the Doctoral School of the Medical University of Lublin

Senate resolutions from 2019–2025

1. Senate Resolution No. CCLIV/2019 of April 17, 2019

on the terms and conditions of admission for the **2019/2020** academic year

2. Senate Resolution No. CCCXLII/2020 of February 26, 2020

on the conditions and procedure for admission for the **2020/2021** academic year

Senate Resolution No. X/2020 of September 23, 2020

on the amendment of Resolution No. CCCXLII/2020 on recruitment for the **2020/2021** academic year

3. Senate Resolution No. XLV/2021 of January 27, 2021

on the conditions and procedure for admission for the academic year **2021/2022**

4. **Senate Resolution No. 145/2022 of February 23, 2022**

on the conditions and procedure for admission for the **2022/2023** academic year

5. **Senate Resolution No. 224/2023 of January 25, 2023**

on the conditions and procedure for admission for the academic year 2023/2024

Senate Resolution No. 243/2023 of March 29, 2023

amending Resolution No. 224/2023 on recruitment for the **2023/2024** academic year

6. Senate Resolution No. 352/2024 of February 21, 2024

on the conditions and procedure for admission for the academic year **2024/2025**

7. **Senate Resolution No. 15/2025 of February 26, 2025**

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the academic year **2025/2026**

Resolution No. CCLIV/2019

of the Senate of the Medical University of Lublin

of April 17, 2019

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the academic year 2019/2020

Pursuant to Article 200 of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2018, item 1668, as amended) in connection with Article 291 of the Act of July 3, 2018 *Provisions implementing the Act – Law on Higher Education and Science (*Journal of Laws 2018, item 1669, as amended)**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate hereby adopts the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2019/2020 academic year, as set out in the appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption.

Chair of the Senate

Rector of the Medical University of Lublin

Prof. Andrzej Drop

Annex to Resolution No. CCLIV / 2019 of the Senate of the Medical University of Lublin of April 17, 2019

CONDITIONS AND MODE OF RECRUITMENT TO THE DOCTORAL SCHOOL OF MEDICAL UNIVERSITY OF LUBLIN FOR THE ACADEMIC YEAR 2019/2020

§ 1

1. Medical University of Lublin recruits for the first year of The Doctoral School of Medical University of Lublin, for the academic year of 2019/2020 in the field of medical sciences and health sciences, in the following disciplines:
   1) medical sciences,
   2) pharmaceutical sciences,
   3) health sciences

§ 2

Education offered by The Doctoral School of Medical University of Lublin takes place in Polish, with the provision that individual classes will be held in Polish or English.

§ 3

1. Recruitment to The Doctoral School of Medical University of Lublin takes place during the qualification procedure.
2. Recruitment procedure includes:
   1) submitting by the person applying for admission to The Doctoral School of Medical University of Lublin of all the required documents referred to in § 7; 1 and 2.
   2) evaluation of the research project,
   3) qualifying exam, including checking the level of knowledge in the field of the discipline, including the assessment of the ability to conduct discussions and formulate opinions regarding the area of the research project,
   4) confirmation of English language efficiency at the B2 + language level,
   5) assessment of the candidate's achievements, abilities and predispositions for scientific work,
   6) establishing and announcing the list of persons admitted for the first year to the Doctoral School of the Medical University of Lublin,
   7) issuing a decision or a certificate
2. Admission to The Doctoral School of Medical University of Lublin may be granted to those who hold a, master's degree or equivalent, or in exceptional cases justified by the highest quality of scientific achievements, those who are graduates or students who completed the third year of uniform master's studies.
3. The Doctoral School of Medical University of Lublin, as part of recruitment in the first and third term, will recruit those individuals whose research project is related to the implementation of the University Project financed from external funds envisaging the participation of PhD students.
4. The qualification procedure for the subject of education at The Doctoral School of Medical University of Lublin mentioned in § 1, for the academic year 2019/2020 will take place three times a year, in the following terms:
   1) 1st term
   beginning: June 3, 2019,
   ending: July 5, 2019;
   2) 2nd term
   beginning: August 19, 2019,
   ending: September 23, 2019;
   3) 3rd term
   beginning: January 6, 2020
   ending: February 6, 2020

§ 4

1. The Doctoral School of Medical University of Lublin will recruit individuals who have obtained a high enough score within the limits of places given to the public before the start of recruitment, subject to § 12 - 5.
2. A high score means obtaining at least 50% of points from the assessment of the research project and at least 9.5 points for the qualification exam.

§ 5

1. A PhD student of the Doctoral School of Medical University of Lublin in the discipline of medical science may be a person who:
   1) is a Polish citizen or a foreigner,
   2) has respectively:
   a) professional title of a doctor, dentist, master's degree,
   b) the title of doctor, dentist, master's degree or equivalent, granted by members of the European Union other than the Republic of Poland,
   c) the title of doctor, dentist, master or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.
2. An individual can be a doctoral student at the Doctoral School of the Medical University of Lublin in the discipline of pharmaceutical science who:
   1) is a Polish citizen or a foreigner,
   2) has respectively:
   a) professional title of master's degree in pharmacy or equivalent from related discipline,
   b) professional title of master's degree in pharmacy or equivalent from related discipline, or other equivalent granted by non-member states of the European Union other than the Republic of Poland,
   c) professional title of Master of Pharmacy or equivalent from related discipline, or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.
3. An individual can be a doctoral student at the Doctoral School of the Medical University of Lublin in the discipline of health sciences who:
   1) is a Polish citizen or a foreigner,
   2) has respectively:
   a) title of doctor, dentist, master's degree,
   b) the title of doctor, dentist, master's degree or other equivalent, granted by a Member State of the European Union other than the Republic of Poland,
   c) the title of doctor, dentist, master or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.
4. Foreigners can take up and continue education at the Doctoral School of the Medical University of Lublin on the terms specified in art. 323 - art. 328 of the Act of 20 July 2018 Law on Higher Education and Science (Journal of Laws of 2018, item 1668, as amended).

§ 6

1. The candidate for the promoter may be an independent employee of the Medical University of Lublin, who in 2016-2018 had scientific achievements published in the magazines listed on list A, in the list of Ministry of Science and Higher Education of 26/01/2017 and whose period of employment at Medical University of Lublin does not finish beforecompleting 4 years of accepting the scientific care of a PhD student at the Doctoral School of Medical University of Lublin.
2. A candidate for a supervisor may exercise scientific supervision of maximum 3 doctoral students at the Doctoral School of the Medical University of Lublin (jointly).
3. The number of doctoral students may be increased to 5 doctoral students subject to the Rector's approval. Obtaining Rector's approval to increase the number of doctoral students should take place before the process of

recruitment and possible consent of the Rector is a mandatory document submitted by the candidate. The application form and Rector's consent is attached in Annex 5.

§ 7

Candidates applying for admission to the Doctoral School of Medical University of Lublin apply for admission to studies constituting Annex No. 1, to which they attach:

1. **Documents required**:
   1) a copy of the diploma confirming the possession of:
   a) the title of a profession of a doctor, dentist or master of medicine for the discipline of medical sciences,
   b) the title of a profession of master's degree in pharmacy or equivalent from the discipline related to the discipline of pharmaceutical science,
   c) the title of doctor, dentist or master of medicine for the discipline of health sciences,
   d) for a candidate who is a graduate of first degree studies or a student who completed the third year of uniform Master studies, a first degree diploma or a certificate from the home university with the completion of the third year of uniform Master studies is required.
   2) CV,
   3) 3 current photos,
   4) the Diploma Supplement or a certified photocopy of the Diploma Supplement (original for inspection),
   5) a list of grades obtained during the first and second cycle or master's degree studies (according to the list of grades),
   6) in case of graduates of the Medical University of Lublin, the average grade from the studies certified by the Dean's Office employee is calculated; the average of the grades from the studies is understood as the arithmetic mean of the arithmetic averages to two decimal places (not including the grade from the master's thesis and defense of the master's thesis),
   7) approved by the candidate for the promoter research project (max 3 pages), which should include:
      a) justification of the choice of subject, working title of the dissertation,
      b) specification of the purpose of the work, problems and research hypotheses,
      c) a description of the method based on scientific literature,
      d) anticipated work results and their possible application in practice,
      e) costs of carrying out research resulting from the research project - a statement of the candidate for the promoter about the sources of funding under the means available to the candidate for the promoter or UMLUB department,
   8) consent of the anticipated promoter of the research project and the head of the deparment in which the project will be implemented,
   9) if the candidate for the promoter surpasses the number of doctoral students under his care, the Rector's consent to increase the number of doctoral students under the care of a given candidate for the promoter is required,
   10) in the case of candidates recruited on terms I and III, an additional certificate of the University Project Manager financed from external funds with the anticipated participation of PhD students is required,
   11) in case of candidates who have an assessment in a foreign language supplement other than English, a certificate confirming English language efficiency at the B2 + language level (certificate list is Annex No. 6) or a certificate from the Foreign Languages Center of Medical University of Lublin confirming knowledge of English language at the B2 + language level is required,
   12) the obligation to sign an agreement on the terms of payment for educational services for the education of doctoral students at the Doctoral School of the Medical University of Lublin.

2. **Optional documents**:
   1) a list of publications prepared in accordance with § 8 point 5 and point 6 of these recruitment conditions, confirmed by the Library of Medical University of Lublin,

   2) confirmation of active participation in conferences, confirmed by the conference of the scientific conference, at which the results of the research were presented,

3) a certificate of volunteering within the Volunteer Center of Medical University of Lublin or other registered voluntary service, specifying the time of participation,

4) a certificate of employment in the Board of University Student Organizations with the specification of the duration,

5) confirmation of receipt of the Minister's Scholarship,

6) certificate of participation in the "Best of the Best" project,

7) confirmation of receipt of the Rector's Award,

8) diploma of completing the second field of study, at the master's level or at the bachelor's level, if the bachelor's degree was not the basis for continuing the master's studies previously indicated for the scoring,

9) certificate of completion of foreign apprenticeships, specifying the duration,

10) certificate of studies / internships under the Erasmus or Erasmus + program,

11) participation in the organizing committee of the Congress confirmed by the official conference program,

12) certification of the LEK or LDEK result - applies to people who obtained 80% or more correct answers on the exams,

13) a certificate from the Dean's Office on the distinction of the master's thesis.

3. Failure to comply with the conditions set out in paragraph 1 leaves the application for admission to the Doctoral School of Medical University of Lublin without a diagnosis and results in the exclusion of the person applying for admission to the Doctoral School of Medical University in Lublin from further recruitment proceedings.

4. Application for admission to the Doctoral School of Medical University of Lublin, together with the documents referred to in paragraph 1 and 2, submitted after the deadline is left without consideration, regardless of the reasons for not keeping the deadline for submitting the application / documents. The date of submission of the application / documents shall be the day on which the documents were received by Medical University of Lublin.

5. Documents drawn up in a language other than Polish or English must be translated by a sworn translator.

6. The candidate attaches a list of submitted documents confirmed with his own signature.

§ 8

1. Candidates for the Doctoral School of the Medical University of Lublin will be assessed according to the following point system:

1) Evaluation of the research project 0 – 18points

- the review of the research project is made by two reviewers appointed by the Chairman of the Recruitment Committee; the final score is determined by the Chairman of the Recruitment Committee based on the average grade,

- if the score difference of individual reviewers is 9 or more points, the Chairman of the Admissions Committee will appoint a third reviewer, whose assessment will be included in the average grade,

2) Qualifying exam -0 – 15points

knowledge of discipline, including assessment of the ability to conduct discussions and formulate opinions regarding the research project area,

3) The average grades from studies: for an average greater than or equal 4,00 - average x 4

for an average below 4,00 - average x1

In the sense that it is the arithmetic average of arithmetic means counted to two decimal places (not including the grade from defense of the master's thesis),

4) Diploma:

with a very good grade - 2 points

with distinction or „Primus Inter Pares" diploma - 4 points

5) Publications in journals listed in the list of Ministry of Science and Higher Education of 26/01/2017, points according to letters A, B or C, the order of the author is calculated:

- score: 1st author or correspondent author - 100% points 2nd author - 50% points

3rd author - 30% of points

4th and consecutive author – 10 % points

- magazine score indicated in the list of Ministry of Science and Higher Education of 26/01/2017 will be assigned to articles regardless of the year of their publication,

6) Other scientific full-text publications (regardless of the number) - 1 point

7) Active participation in conferences (up to 3 different participations) - 0 – 3 points

- 1 point for each conference

8) work for the University:

- in the Management Board of the Student Organization (at least 1 year) - 1 point
- voluntary work - 1 point

(at the Voluntary Center of Medical University of Lublin or other registered voluntary work (minimum 1 year),

9) Minister's scholarships - 3 points

10) A candidate who is a graduate of first-degree studies or a student who completed the third year of uniform Master's studies - 3 points

11) Participant of the project "The best of the best" - 3 points

12) Rector's Awards - 1 point

13) Diploma of completing the second field of study:

a) at the master's level - 2 points

b) b) at the bachelor's level - 1 point

(unless the bachelor's degree was the basis for continuing the master's studies indicated for the scoring)

14) Foreign apprenticeships - min. 1 month stay (regardless of number) - 1 point

15) Studies / internships within the Erasmus program - 0 – 3 points

- points: for studies – 3 points
  for internships – 1 point

16) Participation in the organizing committee of the congress (max. 2 participations) - for each confirmed by the official conference program - 1 point

17) Equally: for the exam or master's thesis - 1 point

- - For the LEK score, LDEK - 80% and more correct answers, or master's thesis awarded

2. The unit for administrative services for doctoral education confirms, in formal terms, the correctness of points scored in the recruitment procedure.

3. For the qualifying examination of knowledge referred to in point 2, one term is set for each candidate. It is not allowed to set the term of the second or the revised deadline.

4. At the request of the candidate, the Chairperson of the Recruitment Commission may grant permission to conduct the exam in a remote form, ie "on-line" with the proviso that the on-line connection should be made through the university of the candidate or research institute, where the identity of the candidiate is verifiable.

§ 9

1. The model sheet of assessment of the research project and the qualification exam is attached in Appendix 2.
2. The model sheet of assessment of the research project for reviewers is attached in Appendix 3.
3. The template of the Candidate Score Sheet is attached in Appendix 4.

§ 10

1. The recruitment procedure is conducted by the Recruitment Committee in the composition appointed by the Rector.
2. The Recruitment Commission referred to in para. 1 is constituted by:

1) Vice-rector for International Cooperation and Postgraduate Training - Chairperson of the Commission,
2) Heads of Doctoral Studies - members of the Commission,
3) 3 academic teachers from each Faculty holding the academic title of professor or postdoctoral degree - members of the Commission.

§ 11

The tasks of the Recruitment Commission include:

1) accepting documents and making decisions on admitting a candidate to the recruitment procedure,

2) setting the schedule of the recruitment procedure,

3) conducting the recruitment procedure,

4) preparation of protocols from the recruitment procedure,

5) issuing, at the candidate's request, certificates confirming the entry on the list of doctoral students and issuing decisions refusing admission to the Doctoral School of Medical University in Lublin.

§ 12

1. The limit shall be accepted for education at the Doctoral School of Medical University in Lublin established by the Senate of Medical University in Lublin by way of a resolution.

2. Limits are set for individual disciplines in which education is provided at the Doctoral School of Medical University in Lublin, ie: medical sciences, pharmaceutical sciences, health sciences.

3. The qualification procedure is of competition nature and is based on point evaluation/assessment.

4. The Doctoral School of Medical University of Lublin will admit those who during the qualifying procedure will receive the highest number of points, subject to paragraph 5 and § 3.

5. The condition of admission is delivery by the candidate, placed on the ranking list, of current research results and protective vaccines set out in Rector's Order No. 100/2013 of 7 October 2013 on the principles of conducting mandatory medical examinations and preventive vaccination for candidates for studies and doctoral studies and students and participants of doctoral studies at Medical University of Lublin

6. The results of the recruitment procedure are open to public.

7. A person admitted to the Doctoral School of Medical University of Lublin begins education and acquires the rights of a doctoral student from the moment of taking the oath.

§ 13

1. If the number of individuals applying for admission to the Doctoral School of Medical University in Lublin is greater than the limit set, those who during the qualifying procedure obtained the largest number of points will be admitted to the Doctoral School of the Medical University of Lublin until the limit is reached on individual disciplines.
2. In case referred to in paragraph 1, when two or more people have obtained an equal number of points entitling them to admission to the Doctoral School of Medical University of Lublin, the acceptance is decided by the greater number of points obtained as a result of the evaluation of the research project.
3. In case of an equal number of points obtained from the evaluation of a research project, the average from the studies decides about admission to the Doctoral School of Medical University in Lublin.

§ 14

1. In the event that the number of people applying for admission to the Doctoral School of the Medical University of Lublin is lower than the established limit of places for particular disciplines, all candidates who have obtained the minimum number of points specified in § 4 para. 2 will be admitted.

2. If after completing the recruitment procedure for the Doctoral School of Medical University of Lublin, the limit of places is not filled, Medical University of Lublin may conduct additional recruitment.

3. If the limit of places to the Doctoral School of Medical University of Lublin in the field of a given discipline is not exhausted and the number of people applying for admission to the Doctoral School of Medical University in Lublin will be greater than the number of places for these disciplines, then the free places enter the pool of places available for candidates of other disciplines and are separated on the basis of the ranking list.

§ 15

1. The decision to refuse admission to the Doctoral School of Medical University of Lublin is made by the Recruitment Committee.
2. The decision of the Recruitment Committee may be appealed to the Rector within 14 days from the date of delivery of the decision.
3. The basis of the appeal may only be an indication of violation of the conditions and procedure for recruitment to the Doctoral School of Medical University of Lublin.
4. The decision is made by the Rector after consideration of the request of the Commission for the Appeal against the decision of the Recruitment Committee.
5. The Rector's decision is final.

§ 16

A detailed schedule specifying the time limits for the recruitment procedure, including the submission of documents referred to in § 7 paragraph: 1 and 2 and the results of the recruitment procedure will be announced on the website of Medical University in Lublin.

Annex No 1

Please use Word editor to fill

APPLICATION

Hereby, I am applying for admission to the Doctoral School of the Medical University of Lublin in the academic year of 20 ..../ 20 ....,
in the field of medical sciences and health sciences:
- scientific discipline: pharmaceutical sciences *
- scientific discipline: medical sciences *
- scientific discipline: health sciences *

* circle appropriate

The substantive / scientific supervisor of the research project (potential promoter) will be:

.....

The Candidate

1. Surame: ..... Name/ Names: .....

2. Date and place of birth: day_____month_____year_____place.....

Province .....Country .....

Citizenship ..... Country of origin.....

type of identity card .....

number of identity card .....

the country of issue .....

3. PESEL _ _ _ _ _ _ _ _ _ _ _

4. Mother's name : ..... Father's name:.....

5. Permanent address: code_____-_____place .....

street ..... house number ..... province .....

poviat .....

6. Correspondence address: code_-___place..... street

..... house number ..... province .....

poviat .....

7. Telephone number ……..

8. E- mail ……..

The data contained in the registration form are provided voluntarily. I have knowledge that providing data and participating in a qualification for a course depends on my decision, while not providing data will prevent me from participating in the recruitment process. I was informed about the planned form and scope of processing my data, as well as that I have the right to resign from participation in the recruitment process at any time.

Information regarding the processing of personal data

The administrator of personal data collected in the course of recruitment, and in the case of qualifying for studies also during the implementation of the educational process, is Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin.

The University processes personal data for the purposes of recruitment procedures for studies and - in the case of enrollment for studies - documenting the course of studies, as well as for statutory, archival and statistical purposes, as well as for claims - in situations provided for by law.

Providing data is voluntary, however, necessary to achieve the goals for which they were collected. The basis for the processing of personal data of candidates for studies is the Act of 20 July 2018, while in the course of studies also other legal regulations, including those governing the way the study documentation is kept.

The data will be processed only in periods necessary for the implementation of the aforementioned purposes, as well as in the period necessary to clarify any doubts and possible claims related to the implementation of a given data processing process during the period provided for by law and internal legal acts in force at the University.

The data being processed will not be sold and disclosed to external entities, except for entities authorized by law, including those with which the University will enter into appropriate agreements, e.g. in connection with the use of external services, including in the field of IT.

Each candidate, and in case of qualification for studies, the student whose data concern has the right to access their data, rectify them, transfer data, obtain copies thereof, has the right to also submit a complaint to the supervisory body and enforce their rights through court proceedings. In cases provided by law, it may exercise the right to limit the processing of data, while in the situation of participating in the course of studies in voluntary initiatives requiring the student's consent, he is entitled to withdraw consent, may also demand the removal of data or object to their processing.

The processed data will not be used for other purposes, apart from those indicated above, they will not be profiled, nor will they be based on any decisions made in an automated manner. The administrator of personal data has appointed a person supervising the correctness of personal data processing, which can be contacted at: daneosobowe@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after completing the recruitment process, please select the following permits as you like. Expressing consent is voluntary, you have the right to revoke them at any time, which, however, will not affect the lawfulness of data processing before withdrawal of consent. The data will not be used for any other purpose than the one indicated in the consent, they will be processed during the period of validity of the consents, until they are canceled or opposition to the processing of data. All information regarding the method of data processing has been included in the information clause regarding the processing of personal data.

I consent to

processing my data contained in the form after completing the recruitment process for purposes related to the implementation of marketing and information activities by Medical University of Lublin with its registered office at Al. Racławickich 1, 20-059 Lublin.

☐ *I consent to*

Transfering by Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin, unsolicited information, including commercial information, to the mailbox indicated by me, in accordance with the Act on the provision of electronic services.

I consent to

Transfering by Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin marketing information using telecommunications terminal equipment, in particular using the indicated telephone number, in accordance with the Telecommunications Law.

Annex No. 2

PROJECT ASSESSMENT AND ELIGIBILITY EXAM SHEET

FOR THE CANDIDATE OF THE DOCTORAL SCHOOL

OF MEDICAL UNIVERSITY OF LUBLIN

Candidate .....

Subject proposal .....

.....

1. The evaluation of the research project:

1.	Justification for the choice of subject, working title of the dissertation, review of the literature	0-2 points
2.	Clarity of the research goal, research problems and hypotheses	0-2 points
3.	Scientific significance, practical results of the research project, usefulness of the project	0-4 points
4.	Relevance of choosing methodology and appropriateness of research tools	0-4 points
5.	Potential of the project implementation with particular emphasis on the scientific achievements of the candidate for the promoter (based on the bibliometric assessment of UMLUB Main Library for the last 3 years)	0-6 points
The number of points(maximum of 18 points)		

The achieved evaluation of the project ..... points

.....

The signature of the Head of the Commission

II. Eligibility test

1.	Eligibility test in the knowledge of the discipline, including assessment of the ability to conduct discussions and formulate opinions regarding the research project area	0-15 points
The number of points(maximum of 15 points)		

The achieved evaluation of the project ..... points

.....

The signature of the Head of the Commission

Annex No. 3

PROJECT ASSESSMENT SHEET FOR REVIEWERS

OF THE CANDIDATE FOR THE DOCTORAL SCHOOL

OF MEDICAL UNIVERSITY OF LUBLIN

Candidate .....

Subject proposal .....

.....

1. The evaluation of the research project:

1.	Justification for the choice of subject, thesis title of the dissertation, review of the literature	0-2 points
2.	Clarity of the research goal, research problems and hypotheses	0-2 points
3.	Scientific significance, practical results of the research project, usefulness of the project	0-4 points
4.	Relevance of choosing methodology and research tools	0-4 points
5.	Potential of the project implementation with particular emphasis on the scientific achievements of the candidate for the promoter (based on the bibliometric assessment of UMLUB Main Library for the last 3 years)	0-6 points
The number of points(maximum of 18 points)		

The achieved evaluation of the project ..... points

.....

The signature of the project reviewer

Annex No. 4

CANDIDATE'S POINT ASSESSMENT
FOR THE DOCTORAL SCHOOL
OF MEDICAL UNIVERSITY OF LUBLIN

Surname and name:

……..

UMLUB Department:

……

No.	Achievement	Points obtained	Score
1.	Research project (according to the evaluation sheet annexed No. 2)	0 – 18 points	
2.	Qualification exam regarding knowledge in the field of discipline (according to the evaluation sheet annexed No. 2)	0 – 15 points	
3.	Average grades from the studies: a) greater than or equal to 4.00 b) less than 4.00	 average x 4 average x 1	
5.	Diploma: 1) with a very good result 2) with a distinction or "Primus Inter Pares"	 2 points 4 points	
6.	Publications in journals listed in the list of Ministry of Science and Higher Education of 26/01/2017 - points in accordance with lists A, B or C of this list. The order of the author is calculated; required confirmed printout / list * from BUML (UMLUB Main Library) . The magazine score indicated in the list of Ministry of Science and Higher Education of 26/01/2017 will be assigned to articles regardless of the year of their publication.	1st correspondence author – 100% 2nd author – 50% 3rd author – 30% 4th and consecutive author – 10%	
7.	Other scientific publications full-text (regardless of quantity) - required confirmed printout / list * from BUML (UMLUB Main Library)	1 point	
8.	Active participation in conferences (max. 3 points)	1 point for a conference	

9.	Work for the University: a) in the Management Board of the Student Organization - min. 1 year (max. 1 point) b) volunteering at the Volunteer Center of Medical University of Lublin or other registered voluntary service, performed at least for 1 year (max.1 point)	1 point 1 point	
10.	Minister's scholarship	3 points	
11.	A person who is a graduate of first degree studies or a student who has completed the third year of a uniform Master's degree course or a participant in the project "The best of the best" (for each achievement)	3 points	

12.	Rector's Awards (for each award)	1 point	
13.	Diploma of completing the second field of study	1) at the master's level - 2 points 2) on the bachelor's level - 1 point (if the bachelor's degree was not the basis for continuing the master's studies indicated for the assessment)	
14.	Foreign professional internships, min. 1 one month stay (regardless of their number)	1 point	
15.	Erasmus or Erasmus +Studies / internships within the program	for studies – 3 points for internships – 1 point	
16.	Participation in the organizing committee of the congress (up to 2 participations)	1 point for every official conference program confirmed participation	
17.	On the same basis, either: a) LEK score, LDEK - 80% and more correct answers, b) the awarded MA thesis (confirmation required from the dean's office)	1 point	
		The total of all the points	

* in the absence of publications registered in the Publication Base of UML Employee

Annex No 5

I. CONSENT OF THE CANDIDATE FOR THE PROMOTER

I agree to assume the duties of the supervisor / potential supervisor of the doctoral dissertation of Mr/Ms .....,who applies for admission to the Doctoral School of Medical University of Lublin in the academic year of 2019/2020.

I declare that, having regard to the abovementioned candidacy, the number of PhD students by October 1, 2019, being under my scientific supervision exceeds 3 candidates *.

** in the case of exceeding the number of 3 people, the consent of the Rector of the Medical University of Lublin should be obtained (point II - application to the Rector's Office, page 2)*

Lublin, on .....

.....	.....
Stamp and signature of Department's/Chair's Head	Stamp nad Signature of the (potential) superviser

I. APPLICATION TO THE RECTOR OF MEDICAL UNIVERSITY OF LUBLIN

Hereby, I am applying for the position of the superviser/ potential promoter/ as for the mentioned candidates. At present I am the supervisor of ** …….. the following PhD course students:

1. ..... – .....
(Name and surname of the PhD student) (place of performing the pensum / number of hours)

2. ..... – .....
(Name and surname of the PhD student) (place of performing the pensum / number of hours)

3. ..... – .....
(Name and surname of the PhD student) (place of performing the pensum / number of hours)

4. ..... – .....
(Name and surname of the PhD student) (place of performing the pensum / number of hours)

.....
Stamp and signature of the (potential) superviser

**provide number

I. THE DECISION OF THE RECTOR OF MEDICAL UNIVERSITY OF LUBLIN

I agree / do not agree ***

to increase the number of doctoral students under the substantive care in the academic year of 2019/2020.

.....
The signature of The Rector of Medical University of Lublin

*** cross out unnecessary

Annex No. 6

LIST OF CERTIFICATES

CONFIRMING THE LEVEL OF LANGUAGE LEVEL OF B2 +

(required in the recruitment assessment to the Doctoral School of Medical University of Lublin)

1. IELTS passed with a minimum of 6.5 points and above

2. CAE (Advanced) with every positive grade

3. CPE (Proficiency) with every positive grade

4. TOEFL passed with 100-120 or 9-12 (paper/computer version)

5. TOLES Advanced with every positive grade

Resolution No. CCCXLII/2020

of the Senate of the Medical University of Lublin

of February 26, 2020

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year

Pursuant to Article 200 of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2020, item 85) and § 23 point 20 of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year, as set out in the appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption.

Chair of the Senate

Rector of the Medical University of Lublin

Prof. Andrzej Drop

Annex No. 1 to the Annex to the Resolution No. CCCXLII / 2020 of the Senate of Medical University of Lublin of February 26, 2020

TERMS AND CONDITIONS OF RECRUITMENT TO THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY IN LUBLIN FOR THE ACADEMIC YEAR 2020/2021

§ 1

1. Medical University of Lublin recruits for the first year studies to the Doctoral School of Medical University of Lublin, for the academic year of 2020/2021 in the field of medical sciences and health sciences, in the following disciplines:

1) medical sciences,

2) pharmaceutical sciences,

3) health sciences.

§ 2

Education at the Doctoral School of the Medical University of Lublin takes place in Polish, with the reservation that individual classes are held in Polish or English.

§ 3

1. Recruitment to the Doctoral School of Medical University of Lublin is carried out in a competition procedure.

2. The competition procedure includes:

1) submission by the person applying for admission to the Doctoral School of Medical University in Lublin of the required documents referred to in § 7 sec. 1 and 2,

2) evaluation of the research project,

3) qualifying exam, including checking the level of knowledge in the field of discipline, including the assessment of the ability to conduct discussions and form opinions regarding the area of the research project,

4) confirmation of the command of English at the B2 + language efficiency level,

5) assessment of the candidate's achievements, abilities and predispositions for scientific work,

6) establishing and announcing a list of people admitted for the first year to the Doctoral School of Medical University of Lublin,

7) issuing a decision.

3. Candidates who have the professional title of magister, magister engineer or equivalent, or in exceptional cases justified by the highest quality of scientific achievements, those who are a first-cycle graduate or a student who have completed their third year of uniform master's studies, may apply for admission to the Doctoral School of Medical University of Lublin.

4. As part of the recruitment process at Medical University of Lublin, individuals whose research project is related to the implementation of the University Project financed from external funds envisaging the participation of doctoral students will be admitted to the Doctoral School of Medical University of Lublin.

5. The competition procedure for the education process at the Doctoral School of Medical University of Lublin listed in § 1, for the academic year 2020/2021, will be held three times a year, on the following dates:

Ist- starting date: July 1, 2020, end: July 31, 2020;

IInd- starting date: September 1, 2020, end: September 30, 2020;

IIIrd- starting date: January 4, 2020 end: February 5, 2020

6. Administrative and office support for the competition procedure is provided by the Office of the Doctoral School of Medical University of Lublin.

§ 4

1. The Doctoral School of Medical University of Lublin will be open to candidates who have obtained a sufficiently high score within the limits of places announced to the public before the recruitment, subject to § 12.

2. Sufficiently high score is understood as obtaining a total of at least 50% of the points for the research project and at least 9.5 points for the qualifying examination.

§ 5

1. A PhD student of the Doctoral School of Medical University of Lublin in the discipline of medical science may be a person who:

1) is a Polish citizen or a foreigner,

2) has respectively:

a) professional title of a doctor, dentist, master's degree,

b) the title of doctor, dentist, master's degree or equivalent, granted by members of the European Union other than the Republic of Poland,

c) the title of doctor, dentist, master or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.

2. An individual can be a doctoral student at the Doctoral School of Medical University of Lublin in the discipline of pharmaceutical science who:

1) is a Polish citizen or a foreigner,

2) has respectively:

a) professional title of master's degree in pharmacy or equivalent from related discipline,

b) professional title of master's degree in pharmacy or equivalent from related discipline, or other equivalent granted by non-member states of the European Union other than the Republic of Poland,

c) professional title of Master of Pharmacy or equivalent from related discipline, or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.

3. An individual can be a doctoral student at the Doctoral School of Medical University of Lublin in the discipline of health sciences who:

1) is a Polish citizen or a foreigner,

2) has respectively:

a) title of doctor, dentist, master's degree,

b) the title of doctor, dentist, master's degree or other equivalent, granted by a Member State of the European Union other than the Republic of Poland,

c) the title of doctor, dentist, master or other equivalent granted by a state other than a member state of the European Union, provided that the diploma awarding this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.

4. Foreigners can take up and continue education at the Doctoral School of Medical University of Lublin on the terms specified in art. 323 - art. 328 of the Act of 20 July 2018 Law on Higher Education and Science (Journal of Laws of 2020, item 85).

§ 6

1. The candidate for the promoter may be an independent employee of the Medical University of Lublin, who in 2016-2019 had scientific achievements published in the journals with IF and whose period of employment at Medical University of Lublin does not finish before completing 4 years of accepting the scientific care of a PhD student at the Doctoral School of Medical University of Lublin.

2. A candidate for a supervisor/promoter may exercise scientific supervision of maximum 3 doctoral students at the Doctoral School of the Medical University of Lublin (jointly).

3. The number of doctoral students may be increased to 5 doctoral students subject to the Rector's approval. Obtaining Rector's approval to increase the number of doctoral students should take place before the process of recruitment and possible consent of the Rector is a mandatory document submitted by the candidate. The application form and Rector's consent is attached in Annex 5.

§ 7

Candidates applying for admission to the Doctoral School of Medical University of Lublin apply for admission to studies constituting Annex No. 1, to which they attach:

1. Documents required:

1) a copy of the diploma confirming the possession of:

a) the title of a profession of a doctor, dentist or master of medicine for the discipline of medical sciences,

b) the title of a profession of master's degree in pharmacy or equivalent from the discipline related to the discipline of pharmaceutical science,

c) the title of doctor, dentist or master of medicine for the discipline of health sciences,

d) for a candidate who is a graduate of first degree studies or a student who completed the third year of uniform Master studies, a first degree diploma or a certificate from the home university with the completion of the third year of uniform Master studies is required.

2) a CV,

3) an electronic photo in jpg format (237x296),

4) the Diploma Supplement or a certified photocopy of the Diploma Supplement (original for inspection),

5) a list of grades obtained during the first and second cycle or master's degree studies (according to the list of grades),

6) in case of graduates of the Medical University of Lublin, the average grade from the studies certified by the Dean's Office employee is calculated; the average of the grades from the studies is understood as the arithmetic mean of the arithmetic averages to two decimal places (not including the grade from the master's thesis and defense of the master's thesis),

7) approved by the candidate for the promoter research project (max 3 pages), which should include:

a) justification of the choice of subject, working title of the dissertation,

b) specification of the purpose of the work, problems and research hypotheses,

c) a description of the method based on scientific literature,

d) anticipated work results and their possible application in practice,

e) if the project provides for interdisciplinary research, the research topics should cover at least two disciplines and should be carried out under the supervision of two supervisors or a supervisor and an auxiliary supervisor, representing two different disciplines, where the scope of care of each promoter is clearly defined in the research project,

f) costs of carrying out the research resulting from the research project - declaration of the candidate for the promoter on the sources of financing within the funds at the disposal of the candidate for the promoter or UML units, identification of the potential supervisor's research facilities (apparatus, research team), funding obtained for the last 3 years;

8) consent of the anticipated promoter of the research project and the head of the deparment in which the project will be implemented,

9) if the candidate for the promoter surpasses the number of doctoral students under his care, the Rector's consent to increase the number of doctoral students under the care of a given candidate for the promoter is required,

10) in the case of candidates recruited on terms I and III, an additional certificate of the University Project Manager financed from external funds with the anticipated participation of PhD students is required,

11) in case of candidates who have an assessment in a foreign language supplement other than English, a certificate confirming English language efficiency at the B2 + language level (certificate list is Annex No. 6) or a certificate from the Department of Foreign Languages of Medical University of Lublin confirming knowledge of English language at the B2 + language level is required.

12) the obligation to sign an agreement on the terms of payment for educational services for the education of doctoral students at the Doctoral School of Medical University of Lublin.

2. Optional documents:

1) a list of publications prepared in accordance with § 8 point 5 and point 6 of these recruitment conditions, confirmed by Main Library of Medical University of Lublin,

2) confirmation of active participation in conferences, confirmed by the conference of the scientific conference, at which the results of the research were presented,

3) a certificate of volunteering within the Volunteer Centre of Medical University of Lublin or other registered voluntary service, specifying the time of participation,

4) a certificate of employment in the Board of University Student Organizations with the specification of the duration,

5) confirmation of receipt of the Minister's Scholarship,

6) certificate of participation in the "Best of the Best" project,

7) confirmation of receipt of the Rector's Award,

8) diploma of completing the second field of study, at the master's level or at the bachelor's level, if the bachelor's degree was not the basis for continuing the master's studies previously indicated for the scoring,

9) certificate of completion of foreign apprenticeships, specifying the duration,

10) certificate of studies / internships under the Erasmus or Erasmus + program,

11) participation in the organizing committee of the Congress confirmed by the official conference program,

12) certification of the LEK or LDEK result - applies to people who obtained 80% or more correct answers on the exams,

13) a certificate from the Dean's Office on the distinction of the master's thesis.

3. Failure to comply with the conditions set out in paragraph 1 leaves the application for admission to the Doctoral School of Medical University of Lublin without a diagnosis and results in the exclusion of the person applying for admission to the Doctoral School of Medical University in Lublin from further recruitment proceedings.

4. Application for admission to the Doctoral School of Medical University of Lublin, together with the documents referred to in paragraph 1 and 2, submitted after the deadline is left without consideration, regardless of the reasons for not keeping the deadline for submitting the application / documents. The date of submission of the application / documents shall be the day on which the documents were received by Medical University of Lublin.

5. Documents drawn up in a language other than Polish or English must be translated by a sworn translator.

6. The candidate attaches a list of submitted documents confirmed with his own signature.

§ 8

1. Candidates for the Doctoral School of the Medical University of Lublin will be assessed according to the following point system:

1) Evaluation of the research project 0 – 17 points

- the review of the research project is made by two reviewers appointed by the Chairman of the Recruitment Committee; the final score is determined by the Chairman of the Recruitment Committee based on the average grade,

- if the score difference of individual reviewers is 9 or more points, the Chairman of the Admissions Committee will appoint a third reviewer, whose assessment will be included in the average grade.

2) Potential of a candidate for a promoter calculated based on achievements of the last 5 years: 0 - 6 points

- total IF points index for original works - 0-3 points,

- grants (financed from external funds) and / or patents - 0-1 points,

- experience of working with doctoral students - 0-2 points,

3)Qualifying exam 0 – 10 points knowledge of discipline, including assessment of the ability to conduct discussions and formulate opinions regarding the research project area,

4) The average of the grades from studies: for an average greater than or equal 4,0 average x 4

for an average below 4,0 average x 1

In the sense that it is the arithmetic average of arithmetic means counted to two decimal places (not including the grade from defence of the master's thesis),

5) The diploma:

a) with a very good grade - 2 points

b) with distinction or „Primus Inter Pares" diploma - 4 points

6) Publications in journals listed in the list of Ministry of Science and Higher Education 18/12/2019, points according to letters A, B or C, the order of the author is calculated:

- score: 1st author or correspondent author - 100% points 2nd author - 50% points

3rd author - 30% of points 4th and consecutive author – 10 % points

- journal score indicated by Ministry of Science and Higher Education (18/12/2019) wil be assigned to articles regardless of the year of their publication

7) Other scientific full-text publications (regardless of the number) - 1 point

8) Active participation in conferences (up to 3 different participations)- 0 – 3 points
1 point for each conference

9) work for the University:

i. in the Management Board of the Student Organization (at least 1 year) - 1 point

ii. voluntary work - 1 point

(at the Voluntary Center of Medical University of Lublin or other registered voluntary work (minimum 1 year)

10) Minister's scholarships - 3 points

11) A candidate who is a graduate of first-degree studies or a student who completed the third year of uniform Master's studies - 3 points

12) Participant of the project "The best of the best" - 3 points

13) Rector's Awards - 1 point

14) Diploma of completing the second field of study:

a) at the master's level - 2 points

b) b) at the bachelor's level - 1 point

(unless the bachelor's degree was the basis for continuing the master's studies indicated for the scoring)

15) Foreign apprenticeships - min. 1 month stay (regardless of number)- 1 point

16) Studies / internships within the Erasmus program - 0 – 3 points

points: for studies – 3 points

for internships – 1 point

17) Participation in the organizing committee of the congress (max. 2 participations) - for each confirmed by the official conference program - 1 point

18) Equally: for the exam or master's thesis - 1 point

For the LEK score, LDEK - 80% and more correct answers, or master's thesis awarded

2. The unit for administrative services for doctoral education confirms, in formal terms, the correct number of points scored in the recruitment procedure.

3. For the qualifying examination of knowledge referred to in point 2, one term is set for each candidate. It is not allowed to set the term of the second or the revised deadline.

4. At the request of the candidate, the Chairperson of the Recruitment Commission may grant permission to conduct the exam in a remote form, i.e. "on-line" with the provision that the on-line

link should be made through the university of the candidate or research institute, where the identity of the candidate is verifiable.

§ 9

1. The model sheet of assessment of the research project and the qualification exam is attached in Appendix 2.

2. The model sheet of assessment of the research project for reviewers is attached in Appendix 3.

3. The template of the Candidate Score Sheet is attached in Appendix 4.

§ 10

1. The recruitment procedure is conducted by the Recruitment Committee in the composition appointed by Director of the Doctoral School of medical University of Lublin.

2. The Recruitment Committee referred to in para. 1 is constituted by:

1) The Chairman of the Scientific Council of the Doctoral School - Chairperson of the Committee,

2) Heads of Doctoral Studies - members of the Committee,

3) 3 academic teachers from each Faculty holding the academic title of professor or postdoctoral degree - members of the Committee.

§ 11

The tasks of the Recruitment Commission include:

1) accepting documents and making decisions on admitting a candidate to the recruitment procedure,

2) setting the schedule of the recruitment procedure,

3) conducting the recruitment procedure,

4) preparation of protocols from the recruitment procedure,

5) issuing, at the candidate's request, certificates confirming the entry on the list of doctoral students and issuing decisions refusing admission to the Doctoral School of Medical University in Lublin.

§ 12

1. The limit shall be accepted for education at the Doctoral School of Medical University in Lublin established by the Senate of Medical University in Lublin by way of a resolution.

2. Limits are set for individual disciplines in which education is provided at the Doctoral School of Medical University in Lublin, i.e.: medical sciences, pharmaceutical sciences, health sciences.

3. The qualification procedure is of competition nature and is based on point evaluation/assessment.

4. The Doctoral School of Medical University of Lublin will admit those who during the qualifying procedure will receive the highest number of points, subject to paragraph 5 and § 3.

5. The condition of admission is delivery by the candidate, placed on the ranking list, of current medical check-up results and vaccination listing described by Rector's Order 67/2019 of 18 June 2019 on the principles of conducting mandatory medical examinations and preventive vaccination for candidates for studies and doctoral studies and students and participants of doctoral studies at Medical University of Lublin

6. The results of the recruitment procedure are open to public.

§ 13

1. If the number of individuals applying for admission to the Doctoral School of Medical University in Lublin is greater than the limit set, those who during the qualifying procedure obtained the largest number of points will be admitted to the Doctoral School of Medical University of Lublin until the limit is reached on individual disciplines.

2. In case referred to in paragraph 1, when two or more people have obtained an equal number of points entitling them to admission to the Doctoral School of Medical University of Lublin, the acceptance is decided by the greater number of points obtained as a result of the evaluation of the research project.

3. In case of an equal number of points obtained from the evaluation of a research project, the average from the studies decides about admission to the Doctoral School of Medical University in Lublin.

§ 14

1. In the event that the number of people applying for admission to the Doctoral School of the Medical University of Lublin is lower than the established limit of places for particular disciplines, all candidates who have obtained the minimum number of points specified in § 4 para. 2 will be admitted.

2. If after completing the recruitment procedure for the Doctoral School of Medical University of Lublin, the limit of places is not filled, Medical University of Lublin may conduct additional recruitment.

3. If the limit of places to the Doctoral School of Medical University of Lublin in the field of a given discipline is not exhausted and the number of people applying for admission to the Doctoral School of Medical University in Lublin will be greater than the number of places for these disciplines, then the free places enter the pool of places available for candidates of other disciplines and are separated on the basis of the ranking list.

§ 15

1. Admission to the Doctoral School takes place by way of entry into the list of doctoral students approved by the Director of the Doctoral School.

2. The tasks of the Director include issuing, at the candidate's request, certificates of entry on the list of doctoral students.

3. The decision to refuse admission to the Doctoral School of the Medical University of Lublin is made by the Director of the Doctoral School on the basis of the relevant authorization.

4. The Director's decision referred to in para. 1, an application for reconsideration of the case may be submitted to the Rector within 14 days from the date of delivery of the decision.

5. The Rector's decision is final.

§ 16

A detailed schedule specifying the time limits for the recruitment procedure, including the submission of documents referred to in § 7 paragraph: 1 and 2 and the results of the recruitment procedure will be announced on the website of Medical University in Lublin.

Annex No. 1 to the Annex to the Resolution No. CCCXLII / 2020 of the Senate of Medical University of Lublin of February 26, 2020

Please use Word editor to fill

APPLICATION

Hereby, I am applying for admission to the Doctoral School of Medical University of Lublin in the academic year of 20 ..../ 20 ....,
in the field of medical sciences and health sciences:
- scientific discipline: pharmaceutical sciences *
- scientific discipline: medical sciences *
- scientific discipline: health sciences *

* circle appropriate

The substantive / scientific supervisor of the research project (potential promoter) will be:
……..

The Candidate

1. Surame:…… Name/ Names: ……..

2. Date and place of birth: day……month……..year.....place.....

Province .....Country .....

Citizenship …… Country of origin ……

type of identity card…… number of identity card ……the country of issue ……

3. PESEL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

4. Mother's name : ..... Father's name:.....

5. Permanent address: code_____-_____place .....

street ..... house number ..... province ..... county .....

6. Correspondence address: code……._____place…… street …… house number ……. province …… county .....

7. Telephone number ……

8. E- mail ……

The data contained in the registration form are provided voluntarily. I have knowledge that providing data and participating in a qualification for a course depends on my decision, while not providing data will prevent me from participating in the recruitment process. I was informed about the planned form and scope of processing of my data, as well as the fact that I have the right to resign from participation in the recruitment process at any time.

Information regarding the processing of personal data

The administrator of personal data collected in the course of recruitment, and in the case of qualifying for studies also during the implementation of the educational process, is Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin.

The University processes personal data for the purposes of recruitment procedures for studies and - in the case of enrollment for studies - documenting the course of studies, as well as for statutory, archival and statistical purposes, as well as for claims - in situations provided for by law.

Providing data is voluntary, however, necessary to achieve the goals for which they were collected. The basis for the processing of personal data of candidates for studies is the Act of 20 July 2018, while in the course of studies also other legal regulations, including those governing the way the study documentation is stored.

The data will be processed only in periods necessary for the implementation of the aforementioned purposes, as well as in the period necessary to clarify any doubts and possible claims related to the implementation of a given data processing process during the period provided for by law and internal legal acts in force at the University.

The data being processed will not be sold and disclosed to external entities, except for entities authorized by law, including those with which the University will enter into appropriate agreements, e.g. in connection with the use of external services, including others in the field of IT.

Each candidate, and in case of qualification for studies, the student whose data concern has the right to access their data, rectify them, transfer data, obtain copies thereof, has the right to also submit a complaint to the supervisory body and enforce their rights through court proceedings. In cases provided by law, it may exercise the right to limit the processing of data, while in the situation of participating in the course of studies in voluntary initiatives requiring the student's consent, he/she is entitled to withdraw consent, may also demand the removal of data or object to their processing.

The processed data will not be used for other purposes, apart from those indicated above, they will not be profiled, nor will they be based on any decisions made in an automated manner. The administrator of personal data has appointed a person supervising the correctness of personal data processing, which can be contacted at: iod@umlub.pl

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after completing the recruitment process, please select the following permits as you like. Expressing consent is voluntary, you have the right to revoke them at any time, which, however, will not affect the lawfulness of data processing before withdrawal of consent. The data will not be used for any other purpose than the one indicated in the consent, they will be processed during the period of validity of the consents, until they are cancelled or in opposition to the processing of data. All information regarding the method of data processing has been included in the information clause regarding the processing of personal data.

I consent to

☐ processing my data contained in the form after completing the recruitment process for purposes related to the implementation of marketing and information activities by Medical University of Lublin with its registered office at Al. Racławickich 1, 20-059 Lublin.

☐ *I consent to*

transfering by Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin, unsolicited information, including commercial information, to the mailbox indicated by me, in accordance with the Act on the provision of electronic services.

I consent to

☐ transfering by Medical University of Lublin with headquarters at Al. Racławickich 1, 20-059 Lublin marketing information using telecommunications terminal equipment, in particular using the indicated telephone number, in accordance with the Telecommunications Law.

Annex No. 2 to the Annex to the Resolution No. CCCXLII / 2020
of the Senate of Medical University of Lublin of February 26, 2020

ASSESSMENT SHEET FOR RESEARCH PROJECT AND QUALIFICATION EXAM OF CANDIDATE FOR THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY IN LUBLIN

Candidate: ……

Thesis proposal: ……

……

I. Assessment of the research project:

1.	**Substantive evaluation of the research project**: 1) the scientific level of the research or the tasks to be performed, the innovative nature of the scientific problem the solution of which is proposed 2) the impact of the research project implementation on the development of the scientific discipline 3) innovation of research methods and the accuracy of their selection	0–12 points	
2.	**Assessment of the feasibility of the proposed project:** 1) research facilities 2) confirmed competence of the team within which the research project will be carried out	0–3 points	
3.	**Interdisciplinarity of conducted research** in the sense that the research subject should cover at least two disciplines and should be carried out under the supervision of two supervisors or a supervisor and an auxiliary supervisor, representing two different disciplines, where the scope of care of each promoter is clearly defined in the research project	0–2 points	
		The number of points (max. 17 points)	

Project grade obtained: …… points

……
Signature of the Chairman of the Committee

II. Qualifying exam:

1.	Qualification exam in knowledge of the discipline, including the assessment of the ability to conduct discussions and form opinions on the area of the research project	0–10 points	
		Number of points (max. 10 points)	

Achieved number of points :…… points

……
Signature of the Chairman of the Committee

Appendix No. 3 to the Appendix to Resolution No. CCCXLII/2020
Appendix No. 3 to the Appendix to Resolution No. CCCXLII/2020
of the Senate of the Medical University

RESEARCH PROJECT EVALUATION SHEET FOR REVIEWERS CANDIDATE FOR THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate: .....
Proposed topic:

……

Evaluation of the research project:

1.	**Substantive evaluation of the research project**: 1) the scientific level of the research or tasks planned for implementation, the innovative nature of the scientific problem whose solution is proposed 2) the impact of the research project on the development of the scientific discipline 3) the innovativeness of research methods and the appropriateness of their selection	0–12 points
2.	**Assessment of feasibility:** 1) assessment of the feasibility of the proposed project, research facilities 2) confirmed competence of the team that will carry out the research project	0–3 points
3.	**Interdisciplinarity of the research** in the sense that the research topic should cover at least two disciplines and should be carried out under the supervision of two supervisors or a supervisor and an assistant supervisor, where the scope of supervision of each supervisor is clearly defined in the research project	0–2 points
		Number of points (max. 17 points)

Project score.....points

……
Signature of the research project reviewer

Justification:

Annex No. 4 to the Annex to the Resolution No. CCCXLII / 2020 of the Senate of the Medical University of Lublin of February 26, 2020

SCORING SHEET
FOR CANDIDATE FOR THE DOCTORAL SCHOOL
MEDICAL UNIVERSITY OF LUBLIN (UMLUB)

Surname and Name: ……

UMLUB Department: ……

No.	Achievements	Points	Result
1.	Research project (according to the evaluation sheet, Annex no.2)	0 – 17 points	
2.	Potential of a candidate for a promoter calculated on the basis of achievements for the last 5 years	0 – 6 points - total IF points index for original works - 0-3 points, - grants (financed from external funds) and / or patents - 0-1 points, - experience of working with doctoral students - 0-2 points,	
3.	Qualification exam with knowledge in the field of discipline (according to the evaluation sheet, Annex 2)	0 – 10 points	
4.	Average grade from studies: a) greater than or equal to 4.00 b) below 4.00	 average x 4 average x 1	
5.	Diploma: 1) with a very good result 2) with distinction or „ Primus Inter Pares ”	 2 points 4 points	
6.	Scientific papers in the journals listed in the list constituting an appendix to the announcement of the Ministry of Science and Higher Education of 18 December 2019. The order of the author is counted; Confirmed printout / list * from UMLUB Main Library required. The journal scores indicated in the above-mentioned list will be assigned to the articles regardless of the year of their publication.	1 st author or corresponding – 100% 2 nd author – 50% 3 rd author – 30% 4 th and further autor – 10%	
7.	Other full-text scientific publications (regardless of the number) - required certified printout / list * from UMLUB Main Library	1 point	
8.	Active participation in conferences (max. 3 points)	1 point for a conference	

9.	Work for the University: a) in the Board of the University Student Organization - min. 1 year (max 1 point) b) volunteering at the Volunteer Center	1 point 1 point	
	UM in Lublin or in other registered volunteers, performed min. for 1 year (max. 1 point)	1 point	
10.	Minister's scholarship	3 points	
11.	A person who is a graduate of first-cycle studies or a student who has completed the third year of uniform master's studies or a participant in the project "The best of the best" (for each achievement)	3 points	
12.	Rector's Awards (for each award)	1 point	
13.	Second major of studies diploma	1) at the master's level – 2 points 2) at the bachelor's level - 1 point (unless the bachelor's degree was the basis for continuing the master's studies indicated for the scoring)	
14.	Foreign apprenticeships, min. 1 month of stay (regardless of the number)	1 point	
15.	Studies / internships under the Erasmus or Erasmus + program	for studies – 3 points , for apprenticeship – 1 point	
16.	Participation in the organizing committee of the conference (max. 2 times)	1 point for each participation confirmed by the official conference program	
17.	equally: a) LEK, LDEK result - 80% and more correct answers, b) a distinguished master's thesis (confirmation from the Dean's Office required)	1 point	
		Points in total:	

* in the absence of publications registered in the UMLUB Employee Publications Database

Annex No. 5 to the Annex to the Resolution

No. CCCXLII / 2020 of the Senate of

Medical University of Lublin of February 26, 2020

I. CONSENT OF THE CANDIDATE FOR THE PROMOTER/SUPERVISER

Hereby, I give my consent to take over the duties of a substantive / potential supervisor/promoter of doctoral dissertation of .... who applies for admission to the Doctoral School of Medical University of Lublin in the academic year of 2020/2021.

I declare that, taking into account the above candidacy, number of doctoral students as for October 1, 2020 under my scientific supervision does not exceed 3 candidates*.

** in the case of exceeding the number of 3 people, the consent of the Rector of the Medical University of Lublin must be obtained (point II - application to the Rector, p. 2)*

Lublin, ...

....

Seal and signature of the Head of the Department

Seal and signature of the content supervisor / potential promoter

I. APPLICATION TO THE RECTOR OF THE MEDICAL UNIVERSITY IN LUBLIN

I am asking you to act as a content supervisor / potential promoter / in relation to the above-mentioned candidate. Currently I am the research supervisor ** …… doctoral students of Doctoral Studies:

1. …….. – ……
   (first name and surname of the doctoral student) (place of work / number of hours)

2. …….. – ……
   (first name and surname of the doctoral student) (place of work / number of hours)

3. …….. – ……
   (first name and surname of the doctoral student) (place of work / number of hours)

4. …….. – ……
   (first name and surname of the doctoral student) (place of work / number of hours)

.....
Seal and signature of the supervisor / potential promoter

**provide the number

II. DECISION OF THE RECTOR OF THE MEDICAL UNIVERSITY IN LUBLIN

I consent / I do not consent ***

to increase the number of doctoral students under substantive supervision in the 2020/2021 academic year.

.....
Signature of the Rector of the Medical University of Lublin

*** cross out what is not needed

Annex No. 6 to the Annex to the Resolution No. CCCXLII / 2020
of the Senate of the Medical University of Lublin of February 26, 2020

LIST OF CERTIFICATES
CONFIRMING THE LEVEL B2 + LANGUAGE EFFICIENCY
(required in the recruitment process to the Doctoral School of Medical University of Lublin)

1. IELTS passed with 6,5 points and above
2. CAE (Advanced) with every positive grade
3. CPE (Proficiency) with every positive grade
4. TOEFL passed with 100-120 or 9-12 (paper and computer version, respectively)
5. TOLES Advanced with every positive grade

Resolution No. X/2020

of the Senate of the Medical University of Lublin

of September 23, 2020

on the amendment of Resolution No. CCCXLII/2020 of the Senate of the Medical University

in Lublin of February 26, 2020 on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year

Pursuant to Article 200 of the Act of July 20, 2018, *Law on Higher Education and Science* (i.e. Journal of Laws 2020, item 85, as amended) and § 23 point 20 of the Statutes of the Medical University of Lublin of June 26, 2020**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

In Resolution No. CCCXLII/2020 of the Senate of the Medical University of Lublin of February 26, 2020, on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year, the content of § 4(2) of the annex to the resolution is amended to read as follows:

"A sufficiently high score is understood to mean obtaining a total of at least 50% of the points from the research project assessment and at least 5.5 points for the qualifying examination."

§ 2

The remaining provisions of Resolution No. CCCXLII/2020 of the Senate of the Medical University of Lublin of February 26, 2020, on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year remain unchanged.

§ 3

The resolution shall enter into force on the date of its adoption and shall apply to recruitment to the Doctoral School of the Medical University of Lublin for the 2020/2021 academic year.

Chair of the Senate

Rector of the Medical University of Lublin

Prof. Wojciech Załuska

Resolution No. XLV/2021

of the Senate of the Medical University of Lublin

of January 27, 2021

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2021/2022 academic year

Pursuant to Article 200(2) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2020, item 85, as amended) and § 23(20) of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2021/2022 academic year, as set out in the appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption.

Chair of the Senate Rector of the Medical University of Lublin

Prof. Wojciech Załuska

Annex to Resolution No. XLV / 2021
of the Senate of Medical University
of Lublin from January 27, 2021

TERMS AND CONDITIONS OF RECRUITMENT TO THE DOCTORAL SCHOOL OF MEDICAL UNIVERSITY OF LUBLIN FOR THE ACADEMIC YEAR OF 2021/2022

§ 1

1. Medical University of Lublin recruits for the first year of recruitment to the Doctoral School of Medical University of Lublin, for the academic year 2021/2022 in the field of medical sciences and health sciences, in disciplines:
   1) medical sciences,
   2) pharmaceutical sciences,
   3) health sciences.

§ 2

Education at the Doctoral School of Medical University of Lublin is conducted in Polish or English.

§ 3

1. Recruitment to the Doctoral School of Medical University of Lublin takes place under the competition procedure.
2. Competition procedure includes:
   1) submission by the person applying for admission to the Doctoral School of Medical University of Lublin of the required documents referred to in § 7 sec. 1 and 2,
   2) evaluation of the research project,
   3) qualifying examination, including checking the level of knowledge in the field of discipline, including the assessment of the ability to conduct discussions and form opinions regarding the area of the research project,
   4) confirmation of the knowledge of the English language at the B2 + language efficiency level,
   5) assessment of the candidate's achievements, abilities and predispositions for scientific work,
   6) establishing and announcing a list of candidates for the first year admitted to the Doctoral School of Medical University of Lublin,
   7) issuing a decision.

3. The admission to the Doctoral School of Medical University of Lublin may be granted to individuals who have the professional title of master, engineer or equivalent, or in exceptional cases, justified by the highest quality of scientific achievements, persons who are a graduate of first-cycle studies or a student who has completed the third year of uniform master's studies, subject to paragraph 4.
4. To assess the quality of the scientific achievements referred to in para. 3 the Director of the Doctoral School appoints a Team of Experts assessing the achievements taking into account, among others:
   - authorship or co-authorship of scientific publications in peer-reviewed scientific journals,
   - participation in research projects,
   - authorship or co-authorship of a patent or a utility model,
   - oral presentations at scientific conferences,
   - awards and distinctions in international competitions,
   - participation in international programs carried out as part of international scientific or didactic cooperation between universities,
   - participation in foreign internships.
5. The competition procedure for education at the Doctoral School of Medical University of Lublin for the academic year 2021/2022 will take place in the following dates:
   start: August 16, 2021,
   end: September 24, 2021.
6. Administrative and office support for the competition procedure is provided by the Office of the Doctoral School of Medical University of Lublin.

7. The Doctoral School of the Medical University of Lublin under the so-called ‘continuous recruitment’ are accepted by individuals whose research project is related to the implementation of the University Project financed from external funds providing for the participation of doctoral students, selected in the form of a competition conducted for a given Project after meeting the requirements set out in § 7 section 1 point 1 letter a-e and lit. k and providing confirmation of winning the competition procedure.

§ 4

A candidate who has not obtained at least 50% of the points for the qualifying examination may not be admitted to the Doctoral School of Medical University of Lublin.

§ 5

1. A doctoral student at the Doctoral School of Medical University of Lublin in the discipline of medical sciences may be a person who:
1) is a Polish citizen or a foreigner,
2) has, respectively:
   a) the professional title of a doctor, dentist, master's degree,
   b) the title of doctor, dentist, master's degree or other equivalent, granted by a Member State of the European Union other than the Republic of Poland,
   c) the title of doctor, dentist, master's degree or other equivalent awarded by a state other than the European Union Member State, provided that the diploma conferring this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.

2. A doctoral student at the Doctoral School of Medical University of Lublin in the field of pharmaceutical sciences may be a person who:
1) is a Polish citizen or a foreigner,
2) has, respectively:
   a) the professional title of Master of Pharmacy or an equivalent degree in a related discipline,
   b) the professional title of Master of Pharmacy or an equivalent in a related discipline, or an equivalent title granted by a Member State of the European Union other than the Republic of Poland,
   c) the professional title of Master of Pharmacy or an equivalent in a related discipline, or an equivalent title awarded by a state other than a Member State of the European Union, provided that the diploma conferring this title has been recognized as equivalent in the Republic of Poland in accordance with separate regulations.

3. A doctoral student at the Doctoral School of Medical University of Lublin in the discipline of health sciences may be a person who:
1) is a Polish citizen or a foreigner,
2) has, respectively:
a) the title of doctor, dentist, master's degree,
b) the title of doctor, dentist, master's degree or other equivalent, granted by a Member State of the European Union other than the Republic of Poland,
c) the title of doctor, dentist, master's degree or other equivalent awarded by a state other than the European Union Member State, provided that the diploma conferring this title has been recognized in the Republic of Poland as equivalent in accordance with separate regulations.

4. Foreigners may undertake and undergo education at the Doctoral School of Medical University of Lublin on the terms specified in art. 323 - Art. 328 of the Act of July 20, 2018 Law on higher education and science (Journal of Laws 2020, item 85 as ammended).

§ 6

1. A candidate for the Supervisor may be an independent employee of Medical University of Lublin, who in the years 2016-2021 has attained scientific achievements published in journals with the IF index and whose employment period at Medical University of Lublin does not end before the expiry of 4 years from accepting scientific care for a doctoral student at the Doctoral School of Medical University of Lublin.
2. The candidate for the Supervisor may have under the scientific supervision of a maximum of 3 doctoral students of doctoral studies and the Doctoral School of Medical University of Lublin (in total), provided that the number of doctoral students whose research project is financed from external funds providing for the participation of the doctoral student is not included in this number.
3. The number of doctoral students referred to in para. 2, may be increased to 5 doctoral students, subject to the approval of the Director of the Doctoral School. Obtaining the consent of the Director of the Doctoral School to increase the number of doctoral students should take place before the recruitment process commences, and the possible consent of the Director is a mandatory document submitted by the Candidate. The template of the application and the template of the consent of the Director of the Doctoral School is attached as Appendix 5.

§ 7

1. Candidates applying for admission to the Doctoral School of Medical University of Lublin submit an application for admission to studies in accordance with Appendix 1, to which they attach:

Required documentation:

a) a copy of the diploma confirming the possession of:
- the professional title of a doctor, dentist or master's degree in the discipline of medical sciences,
- the professional title of Master of Pharmacy or an equivalent in a related discipline for the discipline of pharmaceutical sciences,
- the title of doctor, dentist or master's degree for the discipline of health sciences,

b) for the candidate referred to in § 3 sec. 3 and 4, who is a graduate of first-cycle studies or a student who has completed the third year of uniform master's studies, a first-cycle diploma or a certificate from the home university confirming the completion of the third year of uniform master's studies is required.
c) CV,
d) a photo in an electronic version on a data carrier, in jpg format, size 237x296,
e) the Diploma Supplement or a certified photocopy of the Diploma Supplement (original available for inspection),
f) in the case of candidates who are graduates of a university other than the Medical University of Lublin, a list of grades obtained during first and second cycle studies or uniform master's studies (according to the list of grades),
g) research project approved by the Candidate for the supervisor and the head of the organizational unit employing the candidate for the Supervisor (max. 3 pages), which should contain:
- working title of the doctoral dissertation, justification for the selection of the topic,
- defining the aim of the work, problems and research hypotheses,
- method description based on scientific literature,
- description of preliminary tests carried out in the UMLUB unit,
- expected results of work and their possible application in practice,
- if the project provides for interdisciplinary research, the research topic should cover at least two disciplines and should be carried out under the supervision of two supervisors or a supervisor and an auxiliary supervisor, representing two different disciplines, where the scope of tasks of each supervisor is clearly defined in the research project,
- expected costs of carrying out the research resulting from the research project - indication by the candidate for the Supervisor of the source of funding for the research resulting from the research project obtained by the candidate for the promoter under university grants (internal) or from external funds,
- determination of the research facilities of a prospectus Supervisor (apparatus, research team), obtained funding for the last 3 years,

h) declaration of the candidate for the Supervisor that 'there exist no formal obstacles to perform the function of the Supervisor', i.e .:
- not fulfilling the function of a Supervisor in the last 5 years in relation to at least 4 doctoral students who were removed from the list of doctoral students due to a negative result of the mid-term evaluation,
- failure to supervise the preparation of the dissertation during the last 5 years by at least 2 persons applying for the doctoral degree who did not receive positive reviews,
- not exceeding the permissible number of doctoral students under his supervision - if the candidate for the supervisor receives the individual consent of the Director of the Doctoral School to increase the number of doctoral students under his supervision, it is required to enclose this consent (Annex 5), the template of the declaration is attached as Annex 6,
i) declaration of the candidate for the Supervisor on the achievements for the last 5 years, broken down into:
- total IF points index for original works,
- grants (financed from external funds) and / or patents,
- experience in working with doctoral students, the template of the declaration is attached as Appendix No. 7,
j) certificate of the Project Manager financed from internal funds on the expected participation of doctoral students, their number and an indication of the source of financing,
k) in the case of candidates who have been assessed in a foreign language supplement other than English, a certificate confirming the knowledge of English at the B2 + language efficiency level (the list of certificates is included in Annex 6) or a certificate from the Department of Foreign languages at Medical University of Lublin confirming the knowledge English at the B2 + language efficiency level

2) <u>Supplementary documentation</u>:

a) list of publications prepared in accordance with § 8 para. 1 point 7 and 8 of these recruitment conditions, confirmed by the Library of Medical University of Lublin,
b) confirmation of active participation in conferences, confirmed by the program of the scientific conference at which the research results were presented,
c) certificate of volunteering at the Volunteer Centre of Medical University of Lublin or other registered volunteering organisations, specifying the time of participation,
d) certificate of employment in the Board of University Student Organizations, specifying the duration,
e) confirmation of receipt of the Minister's Scholarship,
f) certificate of participation in the project "The best of the best",
g) confirmation of receipt of the Rector's Award,
h) diploma of completing the second field of study, at the master's or bachelor's level,
unless the bachelor's degree was the basis for continuing the master's studies previously demonstrated for scoring,
i) confirmation of foreign apprenticeship, specifying the duration,
j) certificate of studies / internships under the Erasmus or Erasmus + program, specifying the duration,
k) participation in the organizing committee of the reunion confirmed by the official program of the conference,
l) confirmation of the LEK or LDEK result - applies to persons who obtained 80% or more correct answers during the exams,
m) certificate from the relevant Dean's office confirming the distinction of the MA thesis.

2. Failure to meet the conditions set out in par. 1 point 1 leaves the application for admission to the Doctoral School of Medical University of Lublin without examination and results in the exclusion of the candidate applying for admission to the Doctoral School of the Medical University of Lublin from further recruitment.
3. Application for admission to the Doctoral School of Medical University of Lublin, along with the documents specified in sec. 1 and 2, submitted after the deadline, shall not be considered, regardless of the reasons for failure to meet the deadline for submitting the application / documents. The date of submission

of the application / documents is the date on which the documents were received by the Medical University of Lublin.

4. Documents drawn up in a language other than Polish or English must be translated by a sworn translator.
5. The candidate attaches a list of submitted documents confirmed by his / her signature.

§ 8

1. Candidates for education at the Doctoral School of Medical University of Lublin will be assessed according to the following point system:

1) Research project evaluation -0 – 12 points

- the research project is assessed by two reviewers appointed by the Chairman of the Recruitment Committee; the final score is determined by the Chairman of the Recruitment Committee based on the average grade,
- if the difference in the scores of individual reviewers is at least 6 points, the Chairman of the Recruitment Committee will appoint a third reviewer whose grade will be included in the average grade,

2) Interdisciplinarity of the project - 2 points

Interdisciplinarity means that the research subject covers at least two disciplines and the research project will be carried out under the supervision of two supervisors or a supervisor and an assistant supervisor, representing two different disciplines, where the scope of care is each of the promoters is clearly identified in the research project

3) Project feasibility potential - 0 - 9 points

- calculated on the basis of:

a) the achievements of the candidate for the Supervisor for the last 5 years, including:
- total IF points index for original works (0 - 3 points)
- grants (financed from external funds) and / or patents (0 - 1 point)
- experience in working with doctoral students (0 - 2 points)

b) assessment of research facilities and competences of the team under which the research project will be carried out (0-3 points)

4) Qualifying exam - 0-10 points

- knowledge of the discipline, including the assessment of the ability to conduct discussions and form opinions on the area of the research project,

5) Average grade from studies: for an average greater than or equal to 4.00 - average x 4
for an average below 4.00 - average x 1

- the average of grades is understood as the arithmetic mean of arithmetic averages, counted up to two decimal places (not including the grade from the Defence of the Thesis),

6) Diploma:

a) with a very good result - 2 points
b) with honours or diploma "Primus Inter Pares" - 4 points

7) Publications in the journals listed in the last list of the Ministry of Science and Higher Education, drawn up in accordance with the provisions issued on the basis of art. 267 paragraph. 2 point 2 of the Law on Higher Education and Science, hereinafter referred to as "the list of journals obtained points x 0.2- scoring: 1 author or corresponding author - 100% of points
2nd author - 50% points
3rd and the subsequent author - 10% points

- the scores indicated in the last list of journals will be assigned to articles regardless of the year of their publication,

8) Other full-text scientific publications (regardless of the number) - 1 point

9) Active participation in conferences (max. 3 points) - 0 - 3 points

- 1 point for active participation
- 2 points for the distinction - 1st, 2nd or 3rd place

10) Work for the University
- in the Board of the University Student Organization (at least 1 year) - 1 point

11) Volunteering lasting at least 1 year as part of the Volunteer Centre of Medical University of Lublin or in others certified by a contract for volunteering or a certificate of volunteering - 1 point

12) Minister's scholarships - 3 points

13) Participant of the project "The best of the best" - 3 points

14) Rector's Awards (for each award) - 1 point

15) Diploma of completion of the second field of study:
a) at the master's level - 2 points
b) at the bachelor's level - 1 point
(unless the bachelor's degree was the basis for continuing the master's degree program)

16) Foreign apprenticeships - min. 1 month of stay - 2 points (max.
4 points)

17) Studies / internships under the Erasmus program (max. 8 points) - 0 - 3 points
- scoring: for studies - 3 points
for internships - 1 point (minimum 14 days of stay)

18) Participation in the organizing committee of the reunion
- for each confirmed by the official conference program - 1 point (max.
2 shares)

19) For obtaining at least 80% of correct answers on the LEK, LDEK exam - 1 point

20) For the awarded master's thesis - 1 points

2. The Doctoral School Office confirms, in formal terms, the correctness of the amounts of all summed up points in the recruitment of points.
3. The qualifying examination takes place on the date specified for a given candidate. A resit examination is not allowed.
4. At the candidate's request, the Chairman of the Recruitment Committee may grant consent to conduct the examination remotely, i.e. "on-line", with the proviso that the online contact should be made through a university or research institute, where the candidate's identity will be verified and confirmed.

§ 9

1. The template for the evaluation sheet for the research project and the qualification examination is attached as Appendix 2.
2. A template for the evaluation sheet for a research project for reviewers is attached as Appendix 3.
3. The Candidate's scoring sheet template is attached as Appendix 4.

§ 10

1. The competition procedure is conducted by the Recruitment Committee composed of the Director of the Doctoral School of Medical University of Lublin.
2. The Recruitment Committee referred to in sec. 1 includes:
1) Chairman of the Scientific Council of the Doctoral School - Chairman of the Committee,
2) Heads of Doctoral Studies - members of the Committee,
3) 6 academic teachers within the discipline of medical science and 3 academic teachers within the discipline of pharmaceutical sciences and the discipline of health sciences, holding the academic title of professor or the academic degree of habilitated doctor - members of the Committee.

§ 11

The tasks of the Recruitment Committee include:
1) accepting documents and making decisions on admitting a Candidate to the competition procedure,
2) determining the schedule of the competition procedure,
3) conducting the competition procedure,
4) preparation of protocols from the competition procedure,
5) The Recruitment Committee issues recommendations on accepting or refusing to admit a Candidate to the Doctoral School.

§ 12

1. The admission limit for education at the Doctoral School of Medical University of Lublin is established by the Senate of Medical University of Lublin by way of a resolution.
2. The limits are set for individual disciplines in which education is provided at the Doctoral School of Medical University of Lublin, ie: medical sciences, pharmaceutical sciences, health sciences.
3. The competition procedure is based on obtaining points.
4. Individuals who obtain the highest number of points in the course of the competition procedure and meet the condition specified in sec. 5.
5. The condition for admission is the submission by the candidate, included in the ranking list, of the current test results and preventive vaccinations specified by the Rector's Ordinance No. 67/2019 of June 18, 2019 on the principles of compulsory medical examinations and preventive vaccinations for candidates for studies at the Medical University in Lublin and candidates for the Doctoral School of the Medical University of Lublin and for students and doctoral students of the Medical University
in Lublin.
6. The results of the competition procedure are public.

§ 13

1. If the number of candidates applying for admission to the Doctoral School of the Medical University
in Lublin is higher than the established limit, persons who obtained the highest number of points in the course of the competition procedure will be admitted to the Doctoral School of Medical University of Lublin, until the limit of admissions to individual disciplines is reached.
2. In the case referred to in par. 1, when two or more people have obtained an equal number of points entitling to admission to the Doctoral School of Medical University of Lublin, the admission shall be determined by the greater number of points obtained as a result of the evaluation of the research project.
3. In the event of an equal number of points obtained from the evaluation of a research project, the average of the marks from the studies shall decide about admission to the Doctoral School of Medical University of Lublin.

§ 14

1. If the number of candidates applying for admission to the Doctoral School of Medical University
in Lublin will be lower than the established limit of places for individual disciplines, all persons who have obtained the minimum number of points specified in § 4 will be admitted to studies.
2. If, after conducting the recruitment procedure for the Doctoral School of the Medical University of Lublin, the number of places is not exhausted, Medical University of Lublin may conduct supplementary recruitment, within the time limit announced on the University's website.
3. If the limit of places to the Doctoral School of Medical University of Lublin in a given discipline is not exhausted and the number of people applying for admission to the Doctoral School of Medical University of Lublin in other disciplines is greater than the limit of places for these disciplines, unused ones are included in the pool of places available for candidates from other disciplines and are distributed on the basis of a ranking list.

§ 15

1. Admission to the Doctoral School takes place by way of entry into the list of doctoral students approved by the Director of the Doctoral School.
2. The Director of the Doctoral School, upon the candidate's request, issues a certificate of entry on the list of doctoral students.
3. The decision to refuse admission to the Doctoral School of Medical University of Lublin is issued by the Director of the Doctoral School, on the basis of an appropriate authorization.

4. The Director's decision referred to in para. 1, an application for reconsideration of the case may be submitted to the Rector within 14 days from the date of delivery of the decision.
5. The Rector's decision is final.

§ 16

A detailed schedule specifying the dates of the competition procedure, including the submission of documents, referred to in § 7 sec. 1 and the results of the competition procedure will be announced on the website of Medical University of Lublin.

Annex No. 1 to the Appendix to Resolution No. XLV / 2021 of the Senate of UMLUB of January 27, 2021

PLEASE COMPLETE IN WORD FORMAT

APPLICATION

Therefore, I apply for admission to the Doctoral School of the Medical University of Lublin in the academic year 20……../20……..,

in the field of medical sciences and health sciences:

- scientific discipline: pharmaceutical sciences *
- scientific discipline: medical sciences *
- scientific disciplines: health sciences *

** circle the right one*

The substantive / scientific supervisor of the research project (potential supervisor) will be:……

THE CANDIDATE

1. Surname: ……..... Name/ Names: ……..…….....

2. Date and place of birth: day __ __ month __ __ year __ __ __ __ place.....

District. .....

Country.....

Nationality …….. native country ……..

Type of ID ……..

ID number ……

The country where ID was issued ……..

3. PESEL__ __ __ __ __ __ __ __ __ __ __

4. Mother's name: ..... Father's name: .....

5. Permanent address: code __ __ - __ __ __ place .....

street ..... house ..... district ……..

poviat .....

6. Correspondence address: code __ __ - __ ___ place ……

street …… house ……. district ……..

poviat …….

7. Telephone number ……..

8. E- mail …….

I provide the data contained in the registration form voluntarily. I have the knowledge that providing data and participation in qualifying for studies depends on my decision, at the same time, failure to provide data will prevent me from participating in the recruitment process for studies. I have been informed about the planned form and scope of processing my data, as well as that I have the right to resign from participation in the recruitment process at any time. Information on the processing of personal data

The administrator of personal data collected in the course of recruitment, and in the case of qualification for studies also during the education process, is the Medical University of Lublin with its seat at Al. Racławickie 1, 20-059 Lublin.

The University processes personal data for the purposes of the enrollment procedure for studies and - in the case of qualifying for studies - documenting the course of studies, as well as for statutory and archival purposes and statistical, as well as to pursue claims - in situations provided for by law.

Providing data is voluntary, but necessary to achieve the purposes for which it was collected. The basis for the processing of personal data of candidates for studies is the Act of July 20, 2018, and during the course of studies also other legal provisions, including those regulating the method of keeping documentation of studies.

The data will be processed only in the periods necessary to achieve the above-mentioned purposes, as well as in the period necessary to clarify any doubts and possible claims related to the implementation of a given data processing process, within the period provided for by law and internal legal acts in force in the university.

The processed data will not be sold and made available to external entities, except for entities authorized under the law, including those with which the University will conclude appropriate agreements, e.g. in connection with with the use of external services, incl. in the field of IT.

Each candidate, and in the case of qualification for studies, the data subject has the right to access their data, rectify it, transfer data, obtain a copy, also have the right to submit a complaint to the supervisory body and assert their rights through court proceedings. In cases provided for by law, he / she may exercise the right to limit data processing, and in the event of participation in voluntary initiatives requiring the student's consent during studies, he / she is entitled to withdraw consent, may also request deletion of data or object to their processing.

The processed data will not be used for other purposes, apart from those indicated above, they will not be profiled, nor will they be used in any automated decisions.

The personal data administrator has appointed a person supervising the correctness of personal data processing, who can be contacted at: iod@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after the recruitment process is completed, please select the consents below, according to your will. Expressing consent is voluntary, you have the right to withdraw it at any time, which, however, will not affect the legality of data processing before the consent is withdrawn. The data will not be used for any purpose other than that indicated in the consent, they will be processed during the validity period of the consents, until their revocation or objection to data processing. All information on how the data is processed has been included in the information clause regarding the processing of personal data**.**

☐ *I consent to*

for the processing of my data contained in the form after completing the recruitment process for related purposes with the implementation of marketing and information activities by Medical University of Lublin with its seat at Al. Racławickie 1, 20-059 Lublin.

☐ *I consent to*

for transfer by Medical University of Lublin with its seat at Al. Racławickich 1, 20-059 Lublin of unsolicited information, including commercial information, to the e-mail address indicated by me, in accordance with with the Act on the provision of electronic services.

☐ *I consent to*

for transfer by Medical University of Lublin with its seat at Al. Racławickich 1, 20-059 Lublin for marketing information using telecommunications terminal equipment, in particular using the indicated telephone number, in accordance with the Telecommunications Law Act.

……

Date and signature of the Candidate

Annex 2 to the Annex to Resolution No. XLV / 2021
of the Senate of Medical University of Lublin from January 27, 2021

RESEARCH PROJECT AND QUALIFICATION TEST ASSESSMENT SHEET
CANDIDATE FOR THE DOCTORAL SCHOOL OF
MEDICAL UNIVERSITY OF LUBLIN

Candidate:
……

Proposal of the research project: ……

I. Research project evaluation:

1.	**Substantive evaluation of the research project**: 1) the scientific level of the research or tasks to be performed, the innovative nature of the scientific problem the solution of which is proposed 2) the impact of the research project implementation on the development of the scientific discipline 3) innovation of research methods and the accuracy of their selection	0–12 points	
		Total of the points (max. 12 points)	

Project grade obtained:…… points

……..

Signature of the Chairman of the Committee

II. Qualifying exam:

1.	Qualification exam in knowledge of the discipline, including the assessment of the ability to conduct discussions and form an opinion on the area of the research project	0–10 points	
		Total of the points (max. 10 points)	

Points obtained:…… points

……..
Signature of the Chairman of the Committee

Annex 3 to the Annex to Resolution No. XLV / 2021

of the Senate of Medical University of Lublin from January 27, 2021

RESEARCH PROJECT EVALUATION SHEET FOR REVIEWERS OF CANDIDATES FOR THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate: ……

Proposed topic:

……

Research project evaluation:

1.	**Substantive evaluation of the research project**: 1) scientific level of the research or tasks planned for implementation, innovative nature of the scientific problem whose solution is proposed 2) impact of the research project on the development of the scientific discipline 3) innovation of research methods and accuracy of their selection	0–12 points	
Number of points (max. 12 points)			

Project rating obtained points

……..

Signature of the research project reviewer

Justification:

Annex 4 to the Annex to Resolution No. XLV / 2021
of the Senate of Medical University in Lublin from January 27, 2021

SCORING SHEET
CANDIDATE FOR THE DOCTORAL SCHOOL
MEDICAL UNIVERSITY OF LUBLIN

Surname and name: ……

UMLUB Unit: ……

Lp.	Osiągnięcia	Points	Score
1.	Research project (according to the evaluation sheet, Annex 2)	0 – 12 points	
2.	Interdisciplinarity of conducted research - with the understanding that the research subject covers at least two disciplines and the research project will be carried out under the supervision of two supervisors or a supervisor and an auxiliary supervisor, representing two different disciplines, where the scope of care of each promoter is clearly defined in the research project	2 points	
3.	The feasibility of the project calculated on the basis of: a) the achievements of the candidate for the Supervisor for the last 5 years: including: - total IF points index for original works (0 - 3 points) - grants (financed from external funds) and / or patents (0 - 1 point) - experience of working with PhD students (0 - 2 points) b) assessment of research facilities and the competences of the team within which the research project will be carried out (0 - 3 points)	0 – 9 points	
4.	Qualification exam in knowledge in terms of the discipline (according to the evaluation sheet, Annex 2)	0 – 10 points	
5.	Average grade from studies: a) greater than or equal to 4.00 a) b) less than 4.00	 average x 4 average x 1	
6.	Diploma: 1) with a very good result 2) with honors or 1) "Primus Inter Pares"	 2 points 4 points	

7.	Scientific articles in journals mentioned in the last list of journals. Confirmed printout / list * from UMLUB Main Library is required. The journal scores indicated in the above-mentioned list will be assigned to the articles regardless of the year of their publication	1 author or corresponding author – 100% 2 autor – 50% 3 and further author – 10% The total of points x 0,2	
8.	Other full-text scientific publications (regardless of their number) - certified printout / list required * UMLUB Main Library	1 point	
9.	Active participation in conferences (max. 3 points)	- 1 point for active participation - 2 points for distinction I, II lub III place	
10.	Work for the University - in the Board of the University Student Organization - min. 1 year	1 point	
11.	Volunteering as part of the Volunteer Center of the Medical University of Lublin or another certified contract or certificate of volunteering (at least 1 year)	1 point	
12.	Minister's scholarship	3 points	
13.	Participant of the project "The best of the best "	3 points	
14.	Rector's Awards (for each award)	1 points	
15.	Diploma of graduation from the second field of study	1) on MSC level – 2 points 2) on Licentiate level – 1 point (unless the bachelor's degree was the basis for continuing the graduate studies indicated for the scoring)	
16.	Foreign apprenticeships, min. 1 month of stay	2 pkt (max. 4 points)	
17.	Studies / internships under the Erasmus or Erasmus + program (max. 8 points)	for studies – 3 points for internships – 1 point (min. 14 days of stay)	
18.	Participation in the organizing committee of the reunion - for each participation confirmed by the official program of the conference	1 point (max. 2 participations)	
19.	For obtaining at least 80% correct answers on the LEK exam	1 point	
20.	For the awarded master's thesis	1 point	
		Points total:	

* in the absence of publications registered in the UMLUB Employee Publications Database

Annex 5 to the Annex to Resolution No. XLV / 2021

of the Senate of Medical University of Lublin from January 27, 2021

I. CONSENT OF THE CANDIDATE FOR THE SUPERVISOR

I agree to take over the duties of the substantive supervisor / potential supervisor / of doctoral dissertation of Ms / Mr .... who / who applies for admission to the Doctoral School of Medical University of Lublin in the academic year 2021/2022 as part of:

- project financed from external funds with the intended participation of doctoral students *

or

- project financed from internal funds with the expected participation of doctoral students*

* circle appropriate

I declare that, having regard to the above-mentioned candidacy, number of doctoral students for 1 October 2021 under my scientific supervision does not exceed 3 individuals *, with the proviso that the number of doctoral students whose research project is financed from external funds providing for the participation of a doctoral student is not included in this number.

** in the case of exceeding the number of 3 people (from outside the grants), the consent of the Director of the Doctoral School of Medical University of Lublin must be obtained (point II - application to the Director of the Doctoral School, p. 2)*

Lublin, date .....

....

Stamp and signature of The Head of The Department/Clinic

Stamp and signature of the supervisor / potential supervisor

I. APPLICATION TO THE DIRECTOR OF THE DOCTORAL SCHOOL OF MEDICAL UNIVERSITY OF LUBLIN

I am applying to act as a potential promoter in relation to the above-mentioned candidate. Currently, I am the research supervisor / supervisor of ..... PhD students of doctoral studies and of the Doctoral School (jointly):

1. …… – ……
   (first name and surname of the doctoral student) (source of project financing)
2. …… – ……
   (first name and surname of the doctoral student) (source of project financing)
3. …… – ……
   (first name and surname of the doctoral student) (source of project financing)
4. …… – ……
   (first name and surname of the doctoral student (source of project financing)
5. …… – ……
   (first name and surname of the doctoral student) (source of project financing)

.....
Seal and signature of the potential supervisor

I. DECISION OF THE DIRECTOR OF THE DOCTORAL SCHOOL OF MEDICAL UNIVERSITY OF LUBLIN

I give my consent / I do not consent ***
to increase the number of doctoral students under your substantive supervision ……in the academic year of 2021/2022.

.....
Director of the Doctoral School
Medical University of Lublin

*** cross out unnecessary

Annex No. 6 to the Appendix to Resolution No. XLV / 2021

of the Senate of Medical University in Lublin from January 27, 2021

DECLARATION OF THE CANDIDATE FOR PROMOTER

about the lack of formal obstacles to perform the function of a supervisor

I hereby certify that:

- in the period of the last 5 years I have not performed / acted as a supervisor in relation to, at least

4 doctoral students who were removed from the list of doctoral students due to a negative result of the mid-term evaluation,

- in the last 5 years, I have not supervised the preparation of the dissertation by at least 2 doctoral students applying for a doctoral degree who did not receive positive reviews,

- I did not / exceed the permissible number of doctoral students under my supervision;

if the candidate for the supervisor obtains the individual consent of the Director of the Doctoral School to increase the number of doctoral students under the supervision, it is required to attach this consent (Annex 5),

.....
date and legible signature of the candidate for the supervisor

Annex No. 7 to the Appendix to Resolution No. XLV / 2021

of the Senate of Medical University in Lublin from January 27, 2021

DECLARATION OF THE CANDIDATE FOR SUPERVISOR

as for the achievements in the last 5 years

I hereby certify that:

- the total index of IF points for original works is

……..,

- awarded grants (financed from external funds):

……

……

……,

- obtained patents:

……

……

……

- experience in working with doctoral students - number and date of graduation ……

……

……

.....

date and legible signature of the candidate for the Supervisor

Resolution No. 145/2022

of the Senate of the Medical University of Lublin

of February 23, 2022

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2022/2023 academic year

Pursuant to Article 200(2) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2021, item 478, as amended) and § 23(20) of the Statute of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2022/2023 academic year, as set out in the appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption.

On behalf of the Chair of the Senate Rector of the Medical University of Lublin

Vice-Rector for Science Prof. Andrzej Stepulak

Appendix to Resolution No 145/2022
of the Senate of the Medical University
in Lublin of 23 February 2022

TERMS AND CONDITIONS OF RECRUITMENT TO THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN FOR THE ACADEMIC YEAR 2022/2023

Article 1

The Medical University of Lublin conducts recruitment for the first year to the Doctoral School of the Medical University of Lublin for the academic year 2022/2023 in the field of medical sciences and health sciences, in the following disciplines:

1) medical science,
2) pharmaceutical science,
3) health science.

Article 2

Training at the Doctoral School of the Medical University of Lublin takes place in Polish or English.

Article 3

1. Recruitment to the Doctoral School of the Medical University of Lublin is conducted as a competitive procedure.
2. The competition procedure includes:
   1) submitting by a person applying for admission to the Doctoral School of the Medical University of Lublin the documents stipulated in Article 7.
   2) evaluation of the research project,
   3) a qualifying exam, which includes a test of the level of knowledge in the discipline, including an assessment of the ability to discuss and formulate opinions concerning the area of the research project;
   4) confirmation of English language proficiency at B2+ language proficiency level;
   5) assessment of the candidate's achievements, abilities and aptitude for academic work;
   6) determination and announcement of the list of persons accepted for the first year at the Doctoral School of the Medical University in Lublin,
   7) issuance of the decision.
3. Applicants for admission to the Doctoral School at the Medical University of Lublin can be persons who hold the degree of Master of Science, Master of Engineering, or equivalent, or in exceptional cases, justified by the highest quality of scientific achievements, persons who are graduates of the first degree studies or students who have completed the third year of a long-cycle Master's degree programme, subject to section 4.
4. To assess the quality of the scientific achievements referred to in section 3, the Vice-Rector for Doctoral School and Clinical Research appoints a Team of Experts to assess the achievements taking into account, among others:
   1) authorship or co-authorship of scientific publications in peer-reviewed scientific journals,
   2) participation in research projects,
   3) authorship or co-authorship of a patent or utility model,
   4) oral presentations at scientific conferences,
   5) awards and distinctions in international competitions,
   6) participation in international programmes under international scientific or educational cooperation between universities,
   7) participation in internships abroad.
5. The competition procedure for training at the School of Doctoral Studies of the Medical University in Lublin for the academic year 2022/2023 will take place on the following dates:
   1) start: 15 August 2022,

2) finish: 23 September 2022.

6. Administrative and office service of the recruitment procedure is provided by the Doctoral School Office of the Medical University of Lublin.
7. The Doctoral Training School of the Medical University of Lublin in the framework of the so-called continuous recruitment is open for applicants whose research project is connected with the implementation of a project of the University financed from the external funds providing for participation of doctoral students, selected in the course of a competition conducted for a given project, after meeting the requirements specified in Article 7 section 1 point 1 letters a-e and letter k and providing the confirmation of winning the competition.

Article 4

1. The Doctoral School of the Medical University of Lublin will admit applicants, who scored appropriately high, within the limits of places announced to the public before the recruitment, subject to Article 12, section 5.
2. Sufficiently high scores mean obtaining a total of at least 6 points from each research project assessment and at least 50% of the points for the qualifying exam.

Article 5

1. A student of the Doctoral School of the Medical University of Lublin can be a person who:
   1) is a Polish citizen or a foreigner,
   2) holds respectively:
      a) the professional title of doctor, dentist, master,
      b) the title of the doctor, dental practitioner, master or other equivalent, issued by the Member State of the European Union other than the Republic of Poland,
      c) the title of a doctor, dental practitioner, master or other equivalent issued by a country other than a Member State of the European Union, provided that the diploma granting the title has been recognised in the Republic of Poland as equivalent in accordance with separate provisions.
2. Foreigners may take up and follow education at the Doctoral School of the Medical University in Lublin on the terms specified in Article 323 – Article 328 of the Act of 20 July 2018 Law on higher education and science (i.e. Journal of Laws 2021, item 478 as amended).

Article 6

1. A candidate for supervisor may be an independent employee of the University of Medicine in Lublin, who in the years 2017-2022 has achieved scientific output published in journals with an IF index and whose period of employment at the University does not end before the end of 4 years from accepting scientific supervision of a PhD student of the Doctoral School of the University of Medicine in Lublin
2. A candidate for a supervisor may have under the scientific supervision of maximum 3 doctoral students of the doctoral studies and Doctoral School of the Medical University of Lublin (jointly), with the reservation that this number does not include the doctoral students whose research project is financed from external funds providing for the participation of the doctoral student.
3. The number of doctoral students referred to in section 2 may be increased to 5 provided that the Vice-Rector for Doctoral School and Clinical Research gives his/her consent. The consent of the Vice-Rector should be obtained before the recruitment process begins, and the Vice-Rector's consent, if any, is an obligatory document submitted by the candidate. The template of the application and the Vice-Rector's consent is enclosed as Appendix 5.

Article 7

1. Candidates applying for admission to the Doctoral School of the Medical University of Lublin submit an application for admission to the studies according to Appendix 1, to which they attach:
   1) **Required documents:**
      a) a copy of the diploma confirming the professional title: doctor, dentist or master,
      b) for a candidate mentioned in Article 3, sections 3 who is a graduate of the first degree studies or a student who has completed the third year of the long-cycle Master's degree programme, a diploma of the first degree studies or a certificate from the home university confirming the completion of the third year of the long-cycle Master's degree programme is required,

c) CV,
d) an electronic photo on a data carrier in a jpg format, size 237x296,
e) a supplement to a diploma or a certified photocopy of the supplement to the diploma (original available upon request),
f) in the case of candidates who graduated from a university other than the Medical University of Lublin, a list of marks received during the studies of the first and second degree or long-cycle Master's degree programme (according to the list of grades),
g) a research project (max. 3 pages) approved by the candidate for supervisor and the head of the organisational unit employing the candidate for supervisor, which should include:
   - working title of the PhD dissertation, justification for the choice of the topic:
   - statement of the dissertation objective, research problems and hypotheses:
   - description of the method based on scientific literature:
   - description of preliminary research carried out at the Medical University of Lublin unit:
   - anticipated results of the dissertation and their possible application in practice:
   - if the project envisages interdisciplinarity of the conducted research, the research topic should include at least two disciplines and should be implemented under the supervision of two supervisors or a supervisor and an assistant supervisor representing two different disciplines, where the scope of tasks of each supervisor is clearly specified in the research project:
   - anticipated costs of research resulting from the research project - indication by the supervisor candidate of the source of financing of the research resulting from the research project acquired by the supervisor candidate within the framework of university (internal) grants or from external funds:
   - specification of the research background of the potential supervisor (apparatus, research team), funding obtained for the last 3 years:
h) statement of the candidate for promoter that there are no formal obstacles to acting as a supervisor, i.e:
   - not fulfilling the function of a supervisor in the last 5 years in relation to at least 4 doctoral students who were removed from the list of doctoral students due to negative mid-term evaluation,
   - not supervising the preparation of a dissertation within the last 5 years for at least 2 applicants for a doctoral degree who did not obtain positive reviews,
   - not exceeding the acceptable number of doctoral students under his/her supervision - in case of obtaining by a candidate for a supervisor an individual consent of the Director of the Doctoral School to increase the number of doctoral students under supervision, it is required to enclose this consent (Appendix 5),
   template of the statement constitutes Appendix 6,
i) statement of the candidate for supervisor on the achievements in the last 5 years divided into:
   - total IF points index for original works,
   - grants (financed from external funds) and/or patents,
   - experience of working with doctoral students
   template of the statement constitutes Appendix 7,
j) statement of the Project Manager of the internally financed project on the anticipated number of doctoral students and their participation, together with the indication of the source of financing; template of the declaration constitutes Appendix 8,
k) candidates with a foreign language other than English stated in the supplement, a certificate confirming the command of English at the B2+ level (the list of certificates is attached as Appendix 9) or a certificate from the Centre for Practical Foreign Language Teaching of the Medical University of Lublin confirming the command of English at the B2+ level.

2) **<u>Optional documents:</u>**
   a) a list of publications prepared in accordance with Article 8 section 1 point 7 and point 8 of these recruitment conditions, confirmed by the Library of the Medical University of Lublin,
   b) a certificate of active participation in conferences, confirmed by a programme of scientific conference on which the results of research were presented,

c) certification of having volunteered in the framework of the Volunteer Centre of the Medical University or other registered volunteering activities, specifying the time of participation,
d) a certificate of work in the Board of University Student Organisations, specifying the duration,
e) a certificate of receipt of the Minister's Scholarship,
f) a certificate of participation in the 'Best of the Best' programme,
g) a certificate of the Rector's Award receipt,
h) a diploma of graduation from a second course of studies, either at Master's level or at Bachelor's level, if the Bachelor's degree was not the basis for continuing Master's degree studies previously submitted for scoring,
i) a certificate confirming the completion of a work placement abroad, specifying the duration,
j) certificate of studies/internships under the Erasmus or Erasmus+ programme, indicating the duration,
k) participation in the congress organising committee, as attested by the official conference programme,
l) a certificate of the result of LEK or LDEK - applies to persons who obtained 80% or more correct answers in the exams,
m) a certificate from the appropriate Office for Student Affairs confirming the distinction of the thesis.

2. Failure to meet the conditions specified in section 1 point 1 results in leaving the application for admission to the Doctoral School of the Medical University of Lublin unprocessed and in the applicant's exclusion from further admission proceedings.
3. An application for admission to the Doctoral School of the Medical University of Lublin, together with the documents specified in sections 1 and 2, submitted after the deadline, is left unprocessed, regardless of the reasons for the failure to meet the deadline for the submission of the application/documents. The date of submission of the application/documents is considered to be the date on which the documents were received by the Medical University in Lublin.
4. Documents in a language other than Polish or English must be translated by a sworn translator.
5. The candidate attaches the list of submitted documents confirmed with his/her own signature.

Article 8

1. Candidates for training at the Doctoral School of the Medical University of Lublin will be evaluated according to the following point system:

1) Assessment of the research project: - 0 – 12 points

a) the research project is assessed by two reviewers appointed by the Chairperson of the Recruitment Committee; the final score is determined by the Chairperson of the Recruitment Committee on the basis of the average of the scores,

b) if the difference in the scores of individual reviewers is at least 6 points, the Chairperson of the Recruitment Committee will appoint the third reviewer, whose score will be included in the average score,

2) Interdisciplinarity of the project - 2 points

Interdisciplinarity means that the research topic covers at least two disciplines and the research project will be implemented under the supervision of two supervisors or a supervisor and assistant supervisor, representing two different disciplines, where the scope of supervision of each supervisor is clearly specified in the research project,

3) Project feasibility potential - 0 – 9 points

calculated on the basis of:

a) the achievements of the candidate promoter for the last 5 years, including:
- total IF points index for original works (0 – 3 points)
- grants (financed from external funds) and/or patents 0 – 1 points
- experience of working with doctoral students (0 – 2 points)

b) evaluation of the research facilities and the competence of the team which will carry out the research project (0 - 3 points)

4) Qualifying exam - 0 – 10 points

on the knowledge of the discipline, including the assessment of the ability to discuss and formulate opinions concerning the area of the research project,

5) average grade from the studies: for an average grade above or equal to 4.00 - average x 4
for the average of less than 4.00 - average x 1
the mean of the marks shall be understood as the arithmetic mean of the averages calculated to two decimal places (not including the grade from the master's thesis defence),
6) Diploma:
   a) with a very good grade - 2 points
   b) with a distinction or a 'Primus Inter Pares' diploma - 4 points
7) Publications in journals listed in the latest list of the Ministry of Science and Higher Education, drawn up in accordance with the rules issued pursuant to Article 267, section 2, point 2 of the Law on Higher Education and Science, hereinafter referred to as 'the list of journals ' points awarded x 0.2
score: 1st author or corresponding author - 100% points
2nd author - 50% points
3rd and further author - 10% points
the score indicated in the last list of journals will be assigned to articles regardless of the year of their publication,
8) Other scientific full text publications (regardless of the number) - 1 point
9) Active participation in conferences (max. 3 points) - 0 – 3 points
   - 1 point for active participation
   - 2 points for distinction 1st, 2nd or 3rd place
10) Work for the University in the Board of the University Students' Organisation (min. 1 year) - 1 point
11) Voluntary service of at least 1 year within the Volunteer Centre of the Medical University of Lublin or other, confirmed by an agreement on volunteering or a certificate of the service - 1 point
12) Minister's scholarships - 3 points
13) participation in the 'Best of best' programme - 3 points
14) Rector's awards (for each award) - 1 point
15) Second degree diploma:
   a) at the Master's level - 2 points
   b) at the Bachelor's level - 1 point
   (provided that the Bachelor's degree was not the basis for continuing Master's level studies to be scored)
16) Internship abroad at least 1 month of stay - 2 points (max. 4 points)
17) Study/internship under the Erasmus/Erasmus + programme (max. 8 points) - 0 – 3 points
   - score: for studies – 3 points
   for an internship – 1 point (min. 14 days of stay)
18) Participation in the congress organisational committee
   - for each confirmed by the official conference programme - 1 points (max. 2 participations)
19) Passing the LEK, LDEK examination with at least 80% correct answers - 1 point
20) For a distinguished master's thesis - 1 point

2. The Doctoral School Office confirms the formality of the points calculated in the recruitment procedure.
3. The qualifying exam is held on the date set for the candidate. No resit exam is allowed.
4. At the candidate's request, the Chairperson of the Recruitment Committee may grant permission for the examination to be conducted remotely, i.e. 'on-line', with the proviso that the on-line connection should be made via a university or research institute where the candidate's identity will be verified and confirmed.

Article 9

1. A template of the evaluation sheet of the research project and qualifying exam is attached as Appendix 2.
2. A template for the assessment of the research project for the reviewers is Appendix 3.
3. A template of the candidate's evaluation sheet is attached as Appendix 4.

Article 10

1. The recruitment procedure is conducted by the Recruitment Committee, composed of the Vice-Rector for Doctoral School and Clinical Research at the Medical University in Lublin.
2. The Recruitment Committee, referred to in section 1, consists of:
   1) The Chairperson of the Scientific Council of the Doctoral School - the Chairperson of the Commission,
   2) The Heads of Doctoral Studies - members of the Commission,
   3) 6 academic teachers within the discipline of medical sciences and 3 academic teachers within the discipline of pharmaceutical sciences and health sciences, each possessing the title of professor or scientific degree of a Doctor of Philosophy - members of the Committee.

Article 11

The tasks of the Recruitment Committee include:

1) receiving documents and making decisions on admitting a candidate to the competition procedure,
2) setting the schedule for the competition procedure,
3) conducting the competition procedure,
4) preparing minutes of the competition procedure,
5) issuing recommendations for or against a candidate's admission to the Doctoral School.

Article 12

1. Limit of admission to education in the Doctoral School of Medical University in Lublin is established by the Senate of Medical University in Lublin by way of a resolution.
2. Limits are established for particular disciplines in which education is provided at the Doctoral School of Medical University of Lublin, i.e.: medical sciences, pharmaceutical sciences, health sciences.
3. The admission procedure is based on point assessment.
4. Persons who obtain the highest number of points in the course of the competition proceedings and fulfil the condition specified in section 5 will be admitted to the Doctoral School of the Medical University of Lublin.
5. Admission is conditional on the candidate placed on the ranking list providing up-to-date results of medical examinations and preventive vaccinations as specified by the Rector's Regulation No 67/2019 of 18 June 2019 on the rules for carrying out compulsory medical examinations and preventive vaccinations for candidates for studies at the Medical University of Lublin and candidates for the Doctoral School of the Medical University of Lublin and for students and doctoral students of the Medical University in Lublin.
6. The results of the competition proceedings are publicly available.

Article 13

1. In the event that the number of applicants for admission to the Doctoral School at the Medical University in Lublin is higher than the set limit, the School will admit those applicants who received the highest number of points during the admission procedure, until the limit of the number of points for each discipline is reached.
2. In the case referred to in section 1, where two or more persons obtain an equal number of points entitling them to be admitted to the Doctoral School, admission shall be determined by the higher number of points obtained.
3. In the event of an equal number of points obtained from the evaluation of the research project, the average grade of the studies will determine admission to the Doctoral School.

Article 14

1. In the event that the number of applicants for admission to the Doctoral School at the Medical University in Lublin is lower than the limit of places for particular disciplines, all students who obtained the number of points specified in article 4, section 2 will be admitted.
2. In the event that the limit of places in the Doctoral School of the Medical University of Lublin in a given discipline is not exhausted, and the number of candidates applying for admission to the Doctoral School in the other disciplines is greater than the limit of places for these disciplines, then the unused places enter into the pool of places available for candidates of the other disciplines and are distributed on the basis of a ranking list.

3. In the event that, after the recruitment procedure for the Doctoral School has been conducted, the limit of places is not exhausted, the University may conduct a supplementary recruitment, at a date announced on the University's website.

Article 15

1. Admission to the Doctoral School shall take place by way of an entry to the list of doctoral students, approved by the Vice-Rector for Doctoral School and Clinical Research.
2. The Vice-Rector for Doctoral School and Clinical Research, upon the application of the candidate, issues a certificate of entry into the list of doctoral students.
3. The decision on the refusal of admission to the Doctoral School of the Medical University of Lublin is issued by the Vice-Rector for Doctoral School and Clinical Research based on an appropriate authorisation.
4. The decision of the Vice-Rector referred to in section 3 may be appealed for reconsideration to the Rector within 14 days of the receipt of the decision.
5. The decision of the Rector is final.

Article 16

A detailed schedule specifying the dates of the competition procedure, including the submission of documents referred to in Article 7, as well as the results of the competition proceedings will be published on the website of the Medical University in Lublin.

APPLICATION

I apply for admission to the Doctoral School of the Medical University of Lublin in the academic year 20...../20.....,

in the field of medical sciences and health sciences:

- scientific discipline: pharmaceutical science*
- scientific discipline: medical science*
- scientific discipline: health science*

** delete as appropriate*

The technical/scientific support of the research project (potential supervisor) will be:

……

CANDIDATE

1. Surname:..... First name/names: .....

2. Date and place of birth: date __ __ month __ __ year __ __ __ __ city.....

voivodeship.....country .....

citizenship.....country of origin.....

type of identity document .....

ID document number.....

country of issue of the identity document .....

3. PESEL (PERSONAL ID)__ __ __ __ __ __ __ __ __ __ __

4. Mother's name: ..... Father's name: .....

5. Permanent residence address: code __ __ - __ __ __ city.....

street..... building no ..... voivodeship .....

county .....

6. Correspondence address: code __ __ - __ ___ city.....

street ..... building no..... voivodeship .....

county .....

7. Telephone number .....

8. E-mail .....

The data included in the registration form is provided on a voluntary basis. I am aware that the provision of data and my participation in the qualification process for studies depends on my decision, at the same time, failure to provide data will prevent me from participating in the recruitment process for studies. I have been informed of the intended form and scope of the processing of my data, as well as that I have the right to withdraw from participation in the recruitment process at any time.

Information on the processing of personal data

The controller of personal data collected in the course of the recruitment process, and in the case of qualifying to the studies also in the course of the educational process, is the Medical University of Lublin, with its registered office at Al. Racławickich 1, 20-059 Lublin.

The University processes personal data for the purposes of the recruitment process for studies and - in the case of qualifying for studies - documenting the course of studies, as well as for statutory, archival and statistical purposes, as well as for claiming damages - in situations provided for by the law.

Providing data is voluntary, however, it is necessary for the purposes for which it was collected. The basis for the processing of personal data of candidates for studies is the Act of 20 July 2018, and in the course of studies also other legal provisions, including those regulating the manner of keeping study records.

The data will be processed only for the periods necessary for the achievement of the aforementioned purposes, as well as for the period necessary to clarify any doubts and possible claims related to the implementation of the data processing in question, for the period provided for by legal regulations and internal legal acts in force at the University.

The processed data will not be sold or shared with external entities, with the exception of entities authorised by law, including those with whom the University enters into appropriate agreements, e.g. in connection with the use of external services, including in the scope of IT.

Every candidate and, in the case of university qualifications, student to whom the data relates has the right of access, rectification, data portability, obtaining a copy of their data; they also have the right to lodge a complaint with a supervisory authority and assert their rights through legal proceedings. In cases provided for by law, he/she may exercise the right to restrict data processing, and in the situation of participation in voluntary initiatives during his/her studies that require the student's consent, he/she is entitled to revoke his/her consent, and may also request data to be deleted or object to data processing.

The processed data will not be used for any purposes other than those indicated above, it will not be subject to profiling, nor will any automated decisions be made based on it.

The controller has appointed a person to supervise the correctness of the processing of personal data, who can be contacted at: iod@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after the recruitment process, please mark the consents below, according to your will. The expression of consents is voluntary, you have the right to revoke them at any time, which, however, will not affect the legality of data processing before the withdrawal of consent. The data will not be used for any other purpose than that indicated in the consent, it will be processed during the period of validity of the consents, until you revoke them or object to the data being processed. All information concerning the method of data processing has been included in the information clause regarding the processing of personal data.

☐ *I give my consent*

to the processing of my data contained in the form after the recruitment process is completed for the purposes of marketing and information activities by the Medical University of Lublin with its registered seat at Al. Racławickich 1, 20-059 Lublin.

☐ *I give my consent*

to sending unsolicited information, including commercial information, by the Medical University of Lublin with its registered seat at Al. Racławickich 1, 20-059 Lublin to the mailbox indicated by me in accordance with the Act on Rendering Electronic Services.

☐ *I give my consent*

for the University of Medical Sciences in Lublin with its registered office at Al. Racławickich 1, 20-059 Lublin to provide me with marketing information through the use of telecommunication terminal equipment, in particular through the use of the telephone number indicated, in accordance with the Telecommunications Law.

.....

date and legible signature of the candidate

Appendix 2 to the Appendix to Resolution No 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

EVALUATION SHEET OF THE RESEARCH PROJECT AND THE QUALIFYING EXAM OF
OF THE CANDIDATE FOR DOCTORAL STUDIES
OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate:
.....

Topic proposal: .....

.....

I. Assessment of the research project:

1.	**Substantive evaluation of the research project:** 1) the scientific level of the research or tasks envisaged for implementation, the innovative character of the scientific problem to which the solution is proposed 2) the impact of the research project on the development of the scientific discipline 3) innovativeness of research methods and accuracy of their selection	0 to 12 points	
		Number of points (max. 12 points)	

Project score:..... points

.....
Signature of the Chairperson of the Commission

II. Qualifying exam:

1.	Expert examination of discipline, including evaluation of the ability to discuss and formulate opinions on the area of the research project	0 – 10 points	
		Number of points (max. 10 points)	

Obtained score:..... points

.....
Signature of the Chairperson of the Commission

Appendix 3 to the Appendix to Resolution No 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

RESEARCH PROJECT EVALUATION SHEET FOR REVIEWERS OF
OF THE CANDIDATE FOR DOCTORAL STUDIES
OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate: .....

Topic proposal: .....

.....

Assessment of the research project:

1.	**Substantive evaluation of the research project:** 1) the scientific level of the research or tasks envisaged for implementation, the innovative character of the scientific problem to which the solution is proposed 2) the impact of the research project on the development of the scientific discipline 3) innovativeness of research methods and accuracy of their selection	0 to 12 points	
		Number of points (max. 12 points)	

Project score:..... points

.....
Signature of the research project reviewer

Justification:

Appendix 4 to the Appendix to Resolution No 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

EVALUATION SHEET FOR
OF THE CANDIDATE FOR DOCTORAL STUDIES
OF THE MEDICAL UNIVERSITY OF LUBLIN

Surname and name:.....

Medical University of Lublin unit: .....

No	Achievements	Score	Result
1.	Research project (according to the evaluation sheet appendix no 2)	0 – 12 points	
2.	Interdisciplinarity of the research conducted - in the understanding that research subject matter covers at least two disciplines and research project will be supervised by two supervisors or supervisor and assistant supervisor, representing two different disciplines, where scope of supervision of each supervisor is clearly specified in research project	2 points	
3.	The feasibility of the project is calculated on the basis of: a) the achievements of the candidate promoter for the last 5 years: of which: - total IF points index for original works (0 – 3 points) - grants (financed from external funds) and/or patents (0 – 1 point) - experience of working with doctoral students (0 – 2 points) b) evaluation of the research facilities and competencies of the team which will carry out the research project (0 – 3 points)	0 – 9 points	
4.	Qualifying exam on knowledge in the area of the discipline (according to the evaluation sheet Appendix 2)	0 – 10 points	
5.	Average grade from the course: a) greater than or equal to 4.00 b) less than 4.00	 average x 4 average x 1	
6.	Diploma: 1) with a very good grade	 2 points	

	2) with distinction or 'Primus Inter Pares'	4 points	
7.	Research articles in journals listed in the latest journal list. A confirmed printout/list* from Main Library of the Medical University of Lublin is required. Scoring of the journals indicated in the above mentioned list will be assigned to the articles regardless of the year of their publication	1st author or corresponding author – 100% 2nd author – 50% 3rd and further author – 10% Sum of points for publications x 0.2	
8.	Other scientific full text publications (regardless of their number) – confirmed printout/list* required* rom Main Library of the Medical University of Lublin	1 point	
9.	Active participation in conferences (max. 3 points)	- 1 point for active participation - 2 points for distinction 1st, 2nd or 3rd place	
10.	Work for the University - in the Board of the University Students' Organisation – at least 1 year	1 point	
11.	Volunteer service at the Volunteer Centre of the Medical University of Lublin or other contractual agreement or certificate of volunteering (at least 1 year)	1 point	
12.	Minister's scholarship	3 points	
13.	Participant of the 'Best of the best' programme	3 points	
14.	Rector's awards (for each award)	1 point	
15.	Second degree diploma	1) at the Master's level – 2 points 2) at the Bachelor's level – 1 point (unless the bachelor's degree was the basis for continuing master's studies, which are included in the scoring)	
16.	Internship abroad at least 1 month of stay	2 points (max. 4 points)	
17.	Study/internship under the Erasmus or Erasmus+ programme (max. 8 points)	for studies – 3 points for an internship – 1 point (min. 14 days of stay)	
18.	Participation in the Congress Organising Committee - 1 point for each participation confirmed by the official conference programme	1 point (max. 2 shares)	
19.	Passing the LEK examination and obtaining at least 80% of correct answers	1 point	
20.	For a distinguished master's thesis	1 point	
		Total score:	

* in case of no publications registered in the Medical University of Lublin Staff Publications Database

Appendix 5 to the Appendix to Resolution No 145/2022

of the Senate of the Medical University of Lublin of 23 February 2022

I. SUPERVISOR'S CANDIDATE CONSENT

I agree to assume the duties of a substantive mentor /potential supervisor/ of the doctoral dissertation of Ms./Ms....., who applies for admission to the Doctoral School of the Medical University in Lublin in the academic year 2022/2023 as part of:

- an externally funded project with the intended participation of doctoral students*

or

- an internally financed project with expected participation of doctoral students*.

* delete as appropriate

I declare that, taking into account the above mentioned candidature, the number of doctoral students as of 1 October 2021 under my supervision does not exceed 3 persons*, with the reservation that this number does not include doctoral students whose research project is financed from external funds providing for the participation of a doctoral student.

**in case of exceeding the number of 3 persons (from outside grants), the consent of the Vice-Rector for Doctoral School and Clinical Research of the Medical University of Lublin must be obtained (point II - application to the Vice-Rector for Doctoral School and Clinical Research, page 2)*

Lublin, on .....

....

Stamp and signature
Head of Department/Clinic/Facility

Stamp and signature of supervisor/potential supervisor

II. APPLICATION TO THE VICE-RECTOR FOR DOCTORAL STUDIES AND CLINICAL RESEARCH AT THE MEDICAL UNIVERSITY OF LUBLIN

I request the possibility to act as a potential supervisor with regard to the above candidate. Currently I am a scientific mentor/supervisor of ..... of doctoral students of PhD studies and Doctoral School (in total):

1. …… –
   ……..
   (full name of the doctoral student) (source of project financing)

2. …… –
   ……..
   (full name of the doctoral student) (source of project financing)

3. …… –
   ……..
   (full name of the doctoral student) (source of project financing)

4. …… –
   ……..
   (full name of the doctoral student) (source of project financing)

5. …… –
   ……..
   (full name of the doctoral student) (source of project financing)

.....
Stamp and signature of the potential supervisor

III. DECISION OF THE VICE-RECTOR FOR DOCTORAL STUDIES AND CLINICAL RESEARCH AT THE MEDICAL UNIVERSITY OF LUBLIN

I give my consent/I do not give my consent**
to increase the number of doctoral students supervised by Mr./Ms. ..... in the academic year 2022/2023.

.....
Vice-Rector for Doctoral School and Clinical Research
of the Medical University in Lublin

** delete as appropriate

Appendix 6 to the Appendix to Resolution 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

DECLARATION OF THE SUPERVISOR CANDIDATE

of lack of formal obstacles to perform the function of a supervisor

I hereby declare that:

- within the last 5 years I did not act as a supervisor for at least 4 doctoral students who were removed from the list of doctoral students due to negative mid-term evaluation,

- within the last 5 years I did not supervise a dissertation prepared by at least 2 applicants for a doctoral degree who did not obtain positive reviews,

- I did not exceed the acceptable number of doctoral students under my supervision; in case of obtaining by a candidate for a supervisor an individual consent of the Director of the Doctoral School to increase the number of doctoral students under supervision, it is required to enclose this consent (Appendix 5),

.....

date and legible signature of the supervisor

Appendix 7 to the Appendix to Resolution 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

DECLARATION OF THE SUPERVISOR CANDIDATE

on the achievements during the last 5 years

I hereby declare that:

- the total number of IF points for original papers is

……..,

- awarded grants (<u>externally</u> financed e.g. NCN/NCBiR):

……

……

……,

- obtained patents:

……

……

……

- experience in working with doctoral students - number of doctoral students and duration of doctoral studies

……

……

……

.....
date and legible signature of the supervisor

Appendix 8 to the Appendix to Resolution 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

STATEMENT BY THE PROJECT/INTERNAL

GRANT MANAGER

I hereby declare that:

- the internally funded project (DS) is expected to involve PhD students

- in the number of: .....

- source of financing .....
(project/internal grant number - DS.)

.....
date and legible signature of the supervisor

Appendix 9 to the Appendix to Resolution 145/2022
of the Senate of the Medical University of Lublin of 23 February 2022

LIST OF CERTIFICATES
PROOF OF LANGUAGE PROFICIENCY AT B2+ LEVEL
(required in the recruitment process to the Doctoral School of the Medical University in Lublin)

1. IELTS passed with at least 6.5 points or more
2. CAE (Advanced) with proper grades
3. CPE (Proficiency) with proper grades
4. TOEFL passed with 100-120 or 9-12 (paper and computer version)
5. TOLES Advanced with proper grades

Resolution No. 224/2023

of the Senate of the Medical University of Lublin

of January 25, 2023

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the academic year 2023/2024

Pursuant to Article 200(2) of the Act of July 20, 2018, *Law on Higher Education and Science* (Journal of Laws 2022, item 574, as amended) and § 23 point 20 of the Statutes of the Medical University of Lublin of June 26, 2019**, the Senate of the Medical University of Lublin hereby resolves as follows:**

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2023/2024 academic year, as set out in the appendix to this resolution.

§ 2

This resolution shall enter into force on the date of its adoption.

Chair of the Senate

Rector of the Medical University of Lublin

Prof. Wojciech Załuska

Appendix to Resolution No 224/2023
of the Senate of the Medical University
of Lublin of 25 January 2023

Conditions and procedure of recruitment to the Doctoral School of the Medical University of Lublin for the academic year 2023/2024

Table of contents:

1. General provisions
2. Recruitment rules
3. Supervisor's profile
4. Detailed requirements for candidates and the method of evaluation
5. Recruitment Committee
6. Medical examinations and mandatory vaccinations
7. Rules of acceptance within available limits
8. Candidates with special health needs, including candidates with disabilities
9. Final Provisions

1. General provisions

§ 1

The Medical University of Lublin conducts recruitment for the first year to the Doctoral School of the Medical University of Lublin for the academic year 2023/2024 in the field of medical sciences and health sciences, in disciplines:

1) medical sciences,
2) pharmaceutical sciences,
3) health sciences.

§ 2

Education at the Doctoral School of the Medical University of Lublin takes place in Polish or English.

2. Recruitment rules

§ 3

1. Recruitment to the Doctoral School of the Medical University of Lublin is conducted as a competition procedure.
2. The competition procedure includes:
   1) submission by the candidate of the documents referred to in § 8,
   2) evaluation of the research project,
   3) a qualifying exam, which includes checking the level of knowledge within the discipline, including the evaluation of the ability to discuss (exchange views on the research project) and formulate opinions concerning the area of the research project,
   4) confirmation of English language proficiency at B2+ language proficiency level,
   5) evaluation of the candidate's achievements, abilities and aptitude for scientific work,
   6) establishing and publishing a list of persons admitted to the Doctoral School of the Medical University of Lublin for the first year,
   7) making an entry on the list of persons studying at the Doctoral School of the Medical University of Lublin or issuing an administrative decision on the refusal of admission to the Doctoral School of the Medical University of Lublin.
3. Persons who hold a Master's degree, a Master's degree in engineering or an equivalent degree or are a beneficiary of the "Pearls of Science" ["Perły Nauki"] programme are eligible for admission to the Doctoral School of the Medical University of Lublin or in exceptional cases, justified by the highest quality of scientific achievements, persons who are graduates of a Bachelor's degree programme or students who have completed the 3rd year of long-cycle Master's degree programme, subject to paragraph 4.

4. To assess the quality of scientific achievements referred to in paragraph 3, the Vice-Rector for Doctoral School and Clinical Research appoints a Team of Experts to assess the achievements taking into account:
   1) authorship or co-authorship of scientific publications in peer-reviewed scientific journals,
   2) participation in research projects,
   3) authorship or co-authorship of a patent or utility model,
   4) oral presentation of scientific work at a conference, excluding poster presentations,
   5) awards and distinctions in international competitions,
   6) participation in international programmes under international scientific or educational cooperation between universities,
   7) participation in internships abroad.
5. The competition procedure for education at the Doctoral School of the Medical University of Lublin for the academic year 2023/2024 takes place on the following dates:
   1) start: 14/08/2023,
   2) finish: 22/09/2023.
6. Administrative and office service of the recruitment procedure is provided by the Doctoral School Office of the Medical University of Lublin.
7. The Doctoral School of the Medical University of Lublin, under the so-called continuous recruitment, admits people whose research project is related to the implementation by the Medical University of Lublin of the Project financed from external funds, which provides for the participation of people studying at the Doctoral School.
8. The Doctoral School of the Medical University of Lublin, as part of the so-called project recruitment, admits people whose research project is related to the implementation by the Medical University of Lublin of the "Marie Skłodowska-Curie Doctoral Networks Programme", which provides for the participation of people studying at the Doctoral School.
9. Persons referred to in paragraphs 7 and 8 should:
   1) be selected in a competition conducted for a given Project implemented by the Medical University of Lublin,

2) provide a certificate confirming that they have won the competition referred to in item 1,
3) meet the requirements specified in Article 8(1)(1) points a–e and point k.

§ 4

1. The Medical University of Lublin is a Partner of the "Agreement on cooperation regarding the establishment by the Medical University of Łódź of the Doctoral School of Molecular Medicine" in order to create and jointly conduct education at the Doctoral School of Molecular Medicine of the Medical University of Łódź.
2. The Doctoral School of Molecular Medicine of the Medical University of Łódź will carry out the following tasks in the field of molecular medicine:
   1) educating doctoral students;
   2) conducting scientific research;
   3) organising trainings, conventions, conferences;
   4) cooperating with domestic and foreign scientific institutions.
3. The Doctoral School of the Medical University of Lublin, based on § 2 of the above-mentioned Agreement, conducts the 1st stage of recruitment, hereinafter referred to as SMM recruitment.
4. The SMM recruitment is aimed at selecting the indicated number of the best candidates who will have the right to join the 2nd stage of the competition in a given academic year.
5. The recruitment procedure (2nd stage) will be conducted by the recruitment committee appointed by the Rector of the Medical University of Łódź, which will include representatives of the Medical University of Lodz and representatives of the Partners of the Agreement referred to in paragraph 1.

§ 5

1. The condition for admission to the Doctoral School of the Medical University of Lublin is obtaining a sufficiently high score within the limits of places announced before the start of the recruitment procedure, subject to § 13 paragraph 5.
2. Sufficiently high scores mean obtaining a total of at least 6 points from each research project evaluation and at least 50% of the points for the qualifying exam.

§ 6

6. A person studying at the Doctoral School of the Medical University of Lublin may be a person who:
   1) is a Polish citizen or a foreigner,
   2) holds respectively:
      a) the professional title of a doctor, dentist, master,
      b) the title of a doctor, dentist, master or other equivalent, issued by the Member State of the European Union other than the Republic of Poland,
      c) the title of a doctor, dentist, master or other equivalent issued by a country other than a Member State of the European Union, provided that the diploma granting the title has been recognised in the Republic of Poland as equivalent in accordance with separate provisions.
7. Foreigners may undertake and pursue education at the Doctoral School of the Medical University of Lublin on the terms set out in Article 323–328 of the Act of 20 July 2018 Higher Education and Science Law (Journal of Laws of 2022, item 574, as amended).

8. A profile of a person acting as a supervisor

§ 7

1. A candidate for the function of a supervisor may be an academic teacher with at least the academic degree of a habilitated doctor [doktor habilitowany] in the field of a given or related scientific discipline and having scientific achievements published in the last 5 years in journals included in the lists of scientific journals and reviewed materials from international conferences of MEiN and having the Impact Factor and whose period of employment at the University does not end before the end of 4 years from accepting scientific supervision of doctoral student of the Doctoral School of the Medical University of Lublin.
2. A candidate for the function of a supervisor may have under the scientific supervision 3 persons who are participants of doctoral studies and are studying at the Doctoral School of the Medical University of Lublin (in total), with the proviso that this number does not include persons whose research project is

financed from external funds providing for the participation of persons studying at the Doctoral School, referred to in § 3 paragraph 7.

3. The number of persons studying at the Doctoral School referred to in paragraph 2 may be increased to 5 at the same time, subject to the consent of the Vice-Rector for Doctoral School and Clinical Research. Obtaining the consent of the Vice-Rector should take place before starting the recruitment process. The template of the application and the Vice-Rector's consent is enclosed as Appendix 5.

4. Detailed requirements for candidates and the method of evaluation

§ 8

1. Persons applying for admission to the Doctoral School of the Medical University of Lublin submit an application for admission to studies in accordance with Appendix 1, to which they attach:
   1) <u>Required documents:</u>
      a) a copy of the diploma confirming the professional title: doctor, dentist or master, subject to point b),
      b) for the candidate referred to in § 3 paragraph 3, diploma from Bachelor's degree studies or a certificate from the home university confirming the completion of the 3rd year of long-cycle Master's degree studies,
      c) a CV,
      d) an electronic photo on a data carrier in a jpg format, size 237x296,
      e) a supplement to a diploma or a certified photocopy of the supplement to the diploma (original available upon request),
      f) in the case of candidates who graduated from a university other than the Medical University of Lublin, a list of grades received during the Bachelor's degree, Master's degree or long-cycle Master's degree studies,
      g) a research project approved by the candidate for the supervisor and the head of the organisational unit employing the candidate for the supervisor (max. 3 pages), which should include:
      – the proposed title of the doctoral dissertation, justification for the choice of topic,

– statement of the dissertation objective, research problems and hypotheses,

– description of the method based on scientific literature,

– description of the preliminary examinations carried out in the unit of the Medical University of Lublin, if such examinations were carried out by that unit,

– anticipated results of the dissertation and their possible application in practice,

– if the research project provides for the interdisciplinary nature of the conducted research (research subject covers at least 2 disciplines), then the research project should be carried out under the supervision of 2 persons acting as a supervisor or a supervisor and an assistant supervisor, representing 2 different disciplines, and the scope of tasks of each person acting as a supervisor is clearly defined in the research project,

– anticipated costs of conducting research resulting from the research project – indication by the candidate for the supervisor of the source of financing the research resulting from the research project obtained by the candidate for the supervisor under university (internal) grants or from external funds,

– specification of the research background of the potential supervisor (apparatus, research team), funding obtained for the last 3 years;

h) a declaration of the candidate for the supervisor that there are no formal obstacles to fulfilling this function, i.e.:

– failure to act as a supervisor in the last 5 years in relation to at least 4 doctoral students who were removed from the list of doctoral students due to the negative result of the mid-term evaluation,

– not supervising the preparation of a dissertation within the last 5 years for at least 2 applicants for a PhD degree who did not obtain positive reviews,

– not exceeding the acceptable number of doctoral students under their supervision – in case of obtaining by a candidate for the supervisor an individual consent of the Vice-Rector for Doctoral School and Clinical

Research to increase the number of doctoral students under supervision, it is required to enclose this consent (Appendix 5),
template of the statement constitutes Appendix 6,

i) a declaration of a candidate for the supervisor on the achievements during the last 5 years, divided into:
– total IF points index for original works,
– grants (financed from external funds),
– patents,
– experience in working with doctoral students,
template of the statement constitutes Appendix 7,

j) statement of the person acting as the Manager of the Project financed from internal funds about the expected participation of doctoral students, their number, together with an indication of the source of financing; the template of the statement is attached as Appendix 8,

k) in the case of a candidate with a foreign language grade in the supplement, other than English, a certificate confirming knowledge of English at the B2+ language proficiency level (the list of certificates is attached as Appendix 9) or a certificate from the Centre for Practical Foreign Language Learning at the Medical University of Lublin confirming the knowledge of English at the B2+ language proficiency level.

2) <u>Optional documents:</u>

a) a list of publications prepared in accordance with Article 8(1)(7) and (8) of these recruitment conditions, confirmed by the Library of the Medical University of Lublin,

b) a certificate of active participation in conferences, confirmed by a programme of scientific conference on which the results of research were presented,

c) certification of having volunteered in the framework of the Volunteer Centre of the Medical University or other registered volunteering activities, specifying the time of participation,

d) a certificate of work in the Board of University Student Organisations, specifying the duration,

e) a certificate of receipt of the Minister's Scholarship,

f) a certificate of participation in the ‘Best of the Best’ programme,
g) a certificate of the Rector's Award receipt,
h) a diploma of completion of a second course at the Master’s level or at the Bachelor’s level, unless the Bachelor’s degree was the basis for continuing the Master’s studies previously indicated for the scoring,
i) a certificate confirming the completion of a work placement abroad, specifying the duration,
j) certificate of studies/internships under the Erasmus or Erasmus+ programme, indicating the duration,
k) confirmed participation in the organising committee of a scientific conference,
l) certification of the result of the Medical Final Examination or the Medical and Dental Final Examination – applies to persons who obtained 80% and more correct answers in the examinations,
m) a certificate from the appropriate Dean’s Office confirming the distinction of the Master’s degree thesis.

2. Failure to submit the documents specified in paragraph 1 item 1 results in leaving the application for admission to the Doctoral School of the Medical University of Lublin unprocessed and in the applicant’s exclusion from further admission proceedings.
3. An application for admission to the Doctoral School of the Medical University of Lublin, together with the documents specified in paragraphs 1 and 2, submitted after the deadline is left unprocessed, regardless of the reasons for the failure to meet the deadline for the submission of the application/documents. The date of submission of the application/documents is considered to be the date on which the documents are received by the Medical University of Lublin.
4. Documents in a language other than Polish or English must be translated by a sworn translator.
5. The candidate also attaches a list of submitted documents.

§ 9

1. Candidates are assessed according to the following scoring system:
   1) Evaluation of the research project: – 0–12 points

a) the research project is assessed by two reviewers appointed by the Chairperson of the Recruitment Committee; the final score is determined by the Chairperson of the Recruitment Committee on the basis of the average of the scores,

b) if the difference in the scores of individual reviewers is at least 6 points, the Chairperson of the Recruitment Committee will appoint the third reviewer, whose score will be included in the average score,

2) Interdisciplinarity of the project – 2 points

interdisciplinarity means that the research subject covers at least 2 disciplines and the research project will be carried out under the supervision of 2 persons acting as supervisor or supervisor and assistant supervisor representing 2 different disciplines, where the scope of supervision of each of them is clearly defined in the research project,

3) Project feasibility potential – 0–9 points

calculated on the basis of:

a) achievements of the candidate for the supervisor for the last 5 years, including:

– total IF points index for original works (0–3 points),

– grants (financed from external funds) and/or patents (0–1 point),

– experience in working with doctoral students of the candidate for the supervisor – (0–2 points),

not acting as a supervisor over a doctoral student – 0 points,

acting as a supervisor over 1–3 doctoral students – 1 point,

acting as a supervisor over 3 or more doctoral students – 2 points,

b) evaluation of the research facilities and the competence of the team which will carry out the research project (0–3 points).

4) Qualifying exam – 0–10 points

on the knowledge of the discipline, including the evaluation of the ability to discuss and formulate opinions concerning the area of the research project,

5) average grade from the course:

- for an average greater than or equal to 4.00 - average x 4
- for the average of less than 4.00 - average x 1

the grade average is understood as the arithmetic mean of the arithmetic means counted to 2 decimal places (not including the grade for the defence of the Master's degree thesis),

6) Diploma:
   a) with a very good grade – 2 points
   b) with a distinction or a "Primus Inter Pares" diploma – 4 points
7) Publications in journals listed in the latest list of the Ministry of Science and Higher Education (MEiN), drawn up in accordance with the regulations issued on the basis of Article 267 paragraph 2 item 2 of the Act on Higher Education and Science Law, hereinafter "list of journals" points awarded x 0.2
   score:
   a person who is the 1st author or corresponding author – 100% points
   a person being the 2nd author – 50% of points
   a person who is the 3rd and further author – 10% of points
   the score indicated in the last list of journals will be assigned to articles regardless of the year of their publication,
8) Other scientific full text publications (regardless of the number) 1 point
9) Active participation in conferences (max. 3 points) – 0–3 points
   – 1 point for active participation
   – 2 points for distinction – 1st, 2nd or 3rd place
10) Work for the University in the Board of the University Students' Organisation (min. 1 year) – 1 point
11) Voluntary service of at least 1 year within the Volunteer Centre of the Medical University of Lublin or other, confirmed by an agreement on volunteering or a certificate of the voluntary service – 1 point
12) Minister's scholarships – 3 points
13) participation in the 'Best of best' programme – 3 points
14) Rector's awards (for each award) – 1 point
15) Diploma of completion of the 2nd course of study,
   a) at the Master's level – 2 points
   b) at the Bachelor's level – 1 point

(provided that the Bachelor's degree was not the basis for continuing Master's level studies provided to be scored)

16) Internship abroad – at least 1 month away – 2 points (maximum 4 points)

17) Studies/internship under the Erasmus or Erasmus+ programme (max. 8 points) – 0–3 points

– score: for studies – 3 points

for internship – 1 point (min. 14 days away)

18) Participation in the organising committee of a scientific conference

– for each confirmed - 1 point (maximum 2)

19) For obtaining at least 80% correct answers in the Medical Final Exam or the Medical and Dental Final Exam - 1 point

20) For a distinguished master's degree thesis - 1 point

2. The Office of the Doctoral School confirms, in formal terms, the correctness of the points awarded in the recruitment procedure.
3. The qualifying exam is held on the date set for the candidate. No resit exam is allowed.
4. At the candidate's request, the Chairperson of the Recruitment Committee may grant permission for the examination to be conducted remotely, i.e. "online", with the proviso that the online connection should be made via a university or research institute where the candidate's identity will be verified and confirmed.

§ 10

1. A template of the evaluation sheet of the research project and qualifying exam is attached as Appendix 2.
2. A template for the evaluation sheet of the research project for the reviewers is Appendix

   3.
3. A template of the candidate's scoring sheet is attached as Appendix 4.

5. Recruitment Committee

§ 11

1. The recruitment procedure is conducted by the Recruitment Committee, composed of the Vice-Rector for Doctoral School and Clinical Research at the Medical University in Lublin.
2. The Recruitment Committee, referred to in section 1, consists of:
   1) the Chairperson of the Scientific Council of the Doctoral School – the Chairperson of the Committee,
   2) Heads of Doctoral Studies – persons who are members of the Committee,
   3) 6 academic teachers within the discipline of medical sciences and 3 academic teachers within the discipline of pharmaceutical sciences and health sciences, holding the academic title of professor or the academic degree of habilitated doctor – persons who are members of the Committee.

§ 12

The tasks of the Recruitment Committee include:

1) receiving documents and making decisions on admitting a candidate to the competition procedure,
2) setting the schedule for the competition procedure,
3) conducting the competition procedure,
4) preparing minutes of the competition procedure,
5) issuing recommendations for or against a candidate's admission to the Doctoral School.

§ 13

1. Admission limit for education at the Doctoral School of the Medical University of Lublin is determined by the Senate of the Medical University of Lublin by way of a resolution.
2. Limits are established for particular disciplines in which education is provided at the Doctoral School of Medical University of Lublin, i.e.: medical sciences, pharmaceutical sciences, health sciences.
3. The admission procedure is based on point evaluation.

4. Persons who obtain the highest number of points in the course of the competition proceedings and fulfil the condition specified in section 5 will be admitted to the Doctoral School of the Medical University of Lublin.
5. The condition for admission is the submission by the candidate, placed on the ranking list, of current medical examination results and vaccinations specified in the Rector's Order no 67/2019 of 18 June 2019 on the rules for conducting mandatory medical examinations and vaccinations for candidates for studies at the Medical University of Lublin and candidates for the Doctoral School of the Medical University of Lublin and for students and doctoral students of the Medical University of Lublin.
6. The results of the competition proceedings are publicly available.

6. Medical examinations and mandatory vaccinations

§ 14

1. The Office of the Doctoral School publishes on the website for candidates a list of factors harmful, burdensome and dangerous to health, hereinafter referred to as "harmful factors". Harmful factors occur during education at the Doctoral School in the following disciplines: pharmaceutical sciences, medical sciences, health sciences.
2. In the disciplines referred to in paragraph 1, the condition for admitting the student to classes or scientific research is the submission of a medical certificate stating that there are no health contraindications to study at the Doctoral School (in a given discipline) – subject to paragraph 4.
3. Candidates placed on the ranking list in disciplines, referred to in paragraph 1, receive a referral for a medical examination. The medical certificate from the examination should be submitted before the start of classes or scientific research during which harmful factors occur, but no later than by 15 November.
4. The University strives to enable the widest possible group of people to undertake education at the Doctoral School, in particular by eliminating or limiting harmful factors in individual cases.
5. A person who presents a medical certificate stating the existence of health contraindications to study at the Doctoral School (in a given discipline), may exercise the right to apply for the elimination or reduction of harmful factors. If

the harmful factors are reduced, the person is re-referred for medical examinations regarding only those reduced harmful factors.

6. If it is not possible to reduce or eliminate harmful factors or if, despite their reduction, the person presents a medical certificate stating the existence of health contraindications to pursue education at the Doctoral School (in a given discipline), the Vice-Rector for Doctoral School and Clinical Research makes a decision to remove that person from the list of doctoral students of the Doctoral School.
7. In the following disciplines: pharmaceutical sciences, medical sciences, health sciences, the condition for admitting a student to practical classes, traineeship or clinical classes is to undergo mandatory protective vaccinations against hepatitis B, hereinafter referred to as "protective vaccinations".
8. Candidates placed on the ranking list in disciplines referred to in paragraph 7 receive a referral for protective vaccinations, subject to paragraph 9.
9. Persons who have previously undergone protective vaccination and have documentation confirming this fact are exempt from the vaccination, provided that a period not longer than the period of maintaining immunity has passed since the vaccination.
10. A copy of the confirmation of undergoing the protective vaccinations referred to in paragraphs 7 and 9, should be submitted before the start of practical classes, traineeship or clinical classes, but not later than by 15 November.

7. Rules of acceptance within available limits

§ 15

1. If the number of applicants is greater than the set limit, the Doctoral School accepts the persons who obtain the highest number of points in the course of the competition procedure, until the limit of admissions to individual disciplines is exhausted.
2. In the case referred to in paragraph 1, when 2 or more persons obtain an equal number of points entitling them to be admitted to the Doctoral School, the greater number of points obtained as a result of the research project evaluation decides about the admission.

3. In the case referred to in paragraph. 2, when 2 or more persons obtain an equal number of points entitling them to be admitted to the Doctoral School and an equal number of points obtained from the research project evaluation, admission to the Doctoral School is based on the average of grades from the studies.

§ 16

1. In the event that the number of applicants is less than the established limit of places for each discipline, all persons who obtain the number of points specified in § 5(2) are admitted to study at the Doctoral School.
2. If the limit of places in the Doctoral School of the Medical University of Lublin in the scope of a given discipline is not exhausted and the number of candidates in other disciplines is greater than the limit of places for these disciplines, then the unused places are included in the pool of places available for candidates in other disciplines and are separated on the basis of a ranking list.
3. In the event that, after the procedure of recruitment to the Doctoral School, the limit of places is not exhausted, the University may conduct a supplementary recruitment, at a date announced on the University's website.

§ 17

1. Admission to the Doctoral School takes place by way of an entry into the list of doctoral students, approved by the Vice-Rector for Doctoral School and Clinical Research.
2. The Vice-Rector for Doctoral School and Clinical Research, upon the request of a candidate, issues a certificate of entry into the list of doctoral students.
3. The decision to refuse admission to the Doctoral School of the Medical University of Lublin is issued on behalf of the Rector by the Vice-Rector for Doctoral School and Clinical Research by way of an administrative decision, based on an appropriate authorisation.
4. The decision referred to in paragraph 3 may be appealed for reconsideration to the Rector within 14 days of the receipt of the decision. The decision of the Rector is final.

8. Candidates with special health needs, including candidates with disabilities

§ 18

1. The University provides people with special health needs, including candidates with disabilities, conditions for full participation in the life of the University and the academic community, including recruitment to the Doctoral School and studying at the Doctoral School.
2. Support and coordination of activities for people with special needs resulting from their health condition, including people with disabilities, takes place in the mode and on the terms set out in the Support Regulations [hyperlink].
3. The Recruitment Committee and the Doctoral School Office are responsible for providing support in the field of recruitment. The Rector's Representative for Students with Disabilities [/ Office of the Rector's Representative for Students with Disabilities] coordinates support activities.
4. A candidate with special health needs, including a candidate with a disability, if justified by their special needs, is entitled to rights and services, including:
   1) ensuring the accessibility of the form of the qualifying examination, including ensuring the equivalence of the form and objectivity of the evaluation;
   2) ensuring the accessibility of the examination site, such as:
      a. architectural accessibility of the building where the examination takes place,
      b. accessibility of the surroundings of the site where the examination takes place (applies at least to: the examination room, toilets, cloakrooms, access to the building, car park);
   3) ensuring the accessibility of conditions and the proper organisation of the examination, such as:
      a. appropriate sound system, soundproofed examination room, equipped with an induction loop or other solutions supporting hearing,
      b. adequate lighting,
      c. limiting factors negatively affecting the candidate during the examination (for example: noise level, number of people in the room),
      d. a sufficiently long duration of the examination, including a longer time for: giving a written or oral answer, preparing for an oral answer, and the like;

4) ensuring the digital availability of the exam in a remote form, i.e. "online";
5) providing a teaching assistant;
6) providing a sign language interpreter or lipspeaker.

5. The Vice-Rector for Doctoral School and Clinical Research ensures or supports the implementation of the granted rights and services.
6. Applications of a candidate with special needs, including a candidate with a disability, submitted to the Doctoral School Office, referring to the state of health - are considered in cooperation with the Rector's Representative for Students with Disabilities [/ Office of the Rector's Representative for Students with Disabilities].
7. Medical documentation, certificates and the like are included in the documentation of the Rector's Representative for Students with Disabilities [/ Office of the Rector's Representative for Students with Disabilities] and are not included in the documentation of the recruitment procedure.
8. Detailed information for candidates with special health needs, including candidates with disabilities, concerning recruitment, is presented in the "Guidebook for candidates with disabilities" [hyperlink to "Guidebook..."], on the website for candidates for the Doctoral School [hyperlink], as well as on the website of the Rector's Representative for Students with Disabilities [/ Offices of the Rector's Representative for Students with Disabilities] [hyperlink to information for candidates].

9. Final Provisions

§ 19

A detailed schedule specifying the dates of the competition procedure, including the submission of documents referred to in § 8, and the results of the competition procedure are announced on the website of the Medical University of Lublin.

Appendix 1 to the Appendix
to Resolution No. 224/2023 of the Senate of the Medical University of Lublin
of 25 January 2023

APPLICATION

I apply for admission to the Doctoral School of the Medical University of Lublin in the academic year 20...../20.....,
in the field of medical sciences and health sciences:

– scientific discipline: pharmaceutical sciences*
– scientific discipline: medical sciences*
– scientific discipline: health sciences*

* *delete as appropriate*

The technical/scientific supervisor of the research project (potential supervisor) will be:

……
……

CANDIDATE

1. Last name: ..... First name/names: .....
2. Date and place of birth: date __ __ month __ __ year __ __ __ __ city .....
voivodeship .....
country .....
Citizenship ..... country of origin .....
type of identity document .....
ID document number.....
country of issue of the identity document .....
3. PESEL (Polish National Identification Number)_ _ _ _ _ _ _ _ _ _ _

4. Mother’s first name: ..... Father’s first name: .....

5. Permanent residence address: zip code __ __ - __ __ __city .....

street name ..... street number .....

voivodeship .....

county .....

6. Correspondence address: zip code __ __ - __ ___

city .....

street name ..... street number .....

voivodeship .....

county .....

7. Telephone number .....

8. E-mail .....

The data included in the registration form is provided on a voluntary basis. I am aware that the provision of data and my participation in the qualification process for studies depends on my decision, at the same time, failure to provide data will prevent me from participating in the recruitment process for studies. I have been informed of the intended form and scope of the processing of my data, as well as that I have the right to withdraw from participation in the recruitment process at any time.

Information on the processing of personal data

The controller of personal data collected in the course of the recruitment process, and in the case of qualifying to the studies also in the course of the educational process, is the Medical University of Lublin, with its registered office at Al. Racławickie 1, 20-059 Lublin.

The University processes personal data for the purposes of the recruitment process for studies and – in the case of qualifying for studies – documenting the course of studies, as well as for statutory, archival and statistical purposes, as well as for claiming damages – in situations provided for by the law.

Providing data is voluntary, however, it is necessary for the purposes for which it was collected. The basis for the processing of personal data of candidates for studies is the Act of 20 July 2018, and in the course of studies also other legal provisions, including those regulating the manner of keeping study records.

The data will be processed only for the periods necessary for the achievement of the aforementioned purposes, as well as for the period necessary to clarify any doubts and possible claims related to the implementation of the data processing in question, for the period provided for by legal regulations and internal legal acts in force at the University.
The processed data will not be sold or shared with external entities, with the exception of entities authorised by law, including those with whom the University enters into appropriate agreements, e.g. in connection with the use of external services, including in the scope of IT.
Every candidate and, in the case of university qualifications, student to whom the data relates has the right of access, rectification, data portability, obtaining a copy of their data; they also have the right to lodge a complaint with a supervisory authority and assert their rights through legal proceedings. In cases provided for by law, he/she may exercise the right to restrict data processing, and in the situation of participation in voluntary initiatives during his/her studies that require the student's consent, he/she is entitled to revoke his/her consent, and may also request data to be deleted or object to data processing.
The processed data will not be used for any purposes other than those indicated above, it will not be subject to profiling, nor will any automated decisions be made based on it.
The controller has appointed a person to supervise the correctness of the processing of personal data, who can be contacted at: iod@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after the recruitment process, please mark the consents below, according to your will. The expression of consents is voluntary, you have the right to revoke them at any time, which, however, will not affect the legality of data processing before the withdrawal of consent. The data will not be used for any other purpose than that indicated in the consent, it will be processed during the period of validity of the consents, until you revoke them or object to the data being processed. All information concerning the method of data processing has been included in the information clause regarding the processing of personal data.

☐ *I give my consent*

to the processing of my data contained in the form after the recruitment process is completed for the purposes of marketing and information activities

by the Medical University of Lublin with its registered seat at Al. Racławickie 1, 20-059 Lublin.

☐ *I give my consent*

to sending unsolicited information, including commercial information, by the Medical University of Lublin with its registered seat at Al. Racławickie 1, 20-059 Lublin to the mailbox indicated by me in accordance with the Act on Rendering Electronic Services.

☐ *I give my consent*

for the Medical University of Lublin with its registered office at Al. Racławickie 1, 20-059 Lublin to provide me with marketing information through the use of telecommunication terminal equipment, in particular with the use of the telephone number indicated, in accordance with the Act on Telecommunications Law.

…….

date and legible signature of the candidate

Appendix 2 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University of Lublin of 25 January 2023

EVALUATION SHEET OF THE RESEARCH PROJECT AND THE QUALIFYING EXAM OF THE CANDIDATE TO THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate: ……

Topic proposal: .....

……

I. Evaluation of the research project:

1.	**Substantive evaluation of the research project:** 1) the scientific level of the research or tasks envisaged for implementation, the innovative character of the scientific problem to which the solution is proposed 2) the impact of the research project on the development of the scientific discipline 3) innovativeness of research methods and accuracy of their selection	0–4 points 0–4 points 0–4 points	
		Number of points (max. 12 points)	

Project score: ..... points

……..
Signature of the person chairing the Committee

II. Qualifying exam:

1.	Expert examination of discipline, including evaluation of the ability to discuss and formulate opinions on the area of the research project	0–10 points	
		Number of points (max. 10 points)	

Score: ..... points

…….
Signature of the person chairing the Committee

Appendix 3 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University of Lublin of 25 January 2023

RESEARCH PROJECT EVALUATION SHEET FOR THE REVIEWER
THE CANDIDATE TO THE DOCTORAL SCHOOL
OF THE MEDICAL UNIVERSITY OF LUBLIN

Candidate: ……

Topic proposal:
……

……

Evaluation of the research project:

1.	**Substantive evaluation of the research project:** 1) the scientific level of the research or tasks envisaged for implementation, the innovative character of the scientific problem to which the solution is proposed 2) the impact of the research project on the development of the scientific discipline 3) innovativeness of research methods and accuracy of their selection	0–4 points 0–4 points 0–4 points	
Number of points (max. 12 points)			

Project score: ..... points

……..
Signature of the person reviewing the research project

Reasons:

Appendix 4 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University of Lublin of 25 January 2023

SCORING SHEET FOR
THE CANDIDATE TO THE DOCTORAL SCHOOL
OF THE MEDICAL UNIVERSITY OF LUBLIN

Last name and first name:

……

Medical University of Lublin unit:

……

Item	Achievements	Score	Result
1.	Research project (according to the evaluation sheet appendix no 2)	0–12 points	
2.	Interdisciplinarity of the research conducted – meaning that the research subject covers at least two disciplines and the research project will be carried out under the supervision of two persons acting as supervisors or a supervisor and an assistant supervisor, representing two different disciplines, where the scope of supervision of each of them is clearly defined in the research project	2 points	
3.	The feasibility of the project is calculated on the basis of: a) achievements of the candidate for the supervisor for the last 5 years: of which: – total IF points index for original works (0–3 points) – grants (financed from external funds) and/or patents (0–1 point) – experience of working with doctoral students (0–2 points) b) evaluation of the research facilities and competencies of the team which will carry out the research project (0–3 points)	0–9 points	
4.	Qualifying exam on knowledge in the area of the discipline	0–10 points	

	(according to the evaluation sheet Appendix 2)		
5.	Average grade from the course: a) greater than or equal to 4.00 b) less than 4.00	 average x 4 average x 1	
6.	Diploma: 1) with a very good grade 2) with distinction or 'Primus Inter Pares'	 2 points 4 points	
7.	Research articles in journals listed in the latest journal list. A confirmed printout/list* from Main Library of the Medical University of Lublin is required. Scoring of the journals indicated in the above mentioned list will be assigned to the articles regardless of the year of their publication	1st author or corresponding author – 100% 2nd author – 50% 3rd and further author – 10% Sum of points for publications x 0.2	
8.	Other scientific full text publications (regardless of their number) – confirmed printout/list* required* rom Main Library of the Medical University of Lublin	1 point	
9.	Active participation in conferences (max. 3 points)	– 1 point for active participation – 2 points for distinction 1st, 2nd or 3rd place	
10.	Work for the University – in the Board of the University Students' Organisation – at least 1 year	1 point	
11.	Volunteer service at the Volunteer Centre of the Medical University of Lublin or other contractual agreement or certificate of volunteering (at least 1 year)	1 point	
12.	Minister's scholarship	3 points	
13.	Participant of the "Best of the best" ["Najlepsi z najlepszych"] project	3 points	
14.	Rector's awards (for each award)	1 point	
15.	Second degree diploma	1) at the Master's level – 2 points 2) at the Bachelor's level – 1 point (unless the bachelor's degree was the basis for continuing master's degree studies,	

		which are indicated for the scoring)	
16.	Internship abroad at least 1 month of stay	2 points (max. 4 points)	
17.	Study/internship under the Erasmus or Erasmus+ programme (max. 8 points)	for studies – 3 points for internship – 1 point (min. 14 days away)	
18.	Participation in a congress organising committee – 1 point for each participation confirmed by the official conference programme	1 point (max. 2 times)	
19.	Passing the Final Medical Examination [LEK] and obtaining at least 80% of correct answers	1 point	
20.	For a distinguished master's degree thesis	1 point	
Total score:			

* in case of no publications registered in the Medical University of Lublin Staff Publications Database

Appendix 5 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University of Lublin of 25 January 2023

I. CONSENT OF THE CANDIDATE TO PERFORM THE SUPERVISOR FUNCTION

I agree to assume the duties of a substantive mentor /potential supervisor/ of the doctoral dissertation of Ms./Ms. ....., who applies for admission to the Doctoral School of the Medical University of Lublin in the academic year 2023/2024 as part of:

– an externally funded project with the intended participation of doctoral students*

or

– an internally financed project with expected participation of doctoral students*.

* delete as appropriate

I represent that, taking into account the above nomination, the number of persons participating in doctoral studies and studying at the Doctoral School as at 1 October 2023 who are under my scientific supervision does not exceed 3 persons*, with the proviso that this number does not include persons whose research project is financed from external funds providing for the participation of people studying at the Doctoral School.

**in case of exceeding the number of 3 persons (outside the grants), the consent of the Vice-Rector for Doctoral School and Clinical Research of the Medical University of Lublin must be obtained (item II – application to the Vice-Rector for Doctoral School and Clinical Research, page 2)*

Lublin, on .....

..... ……

Stamp and signature Stamp and signature of supervisor/potential supervisor

Head of Department/Clinic/Facility

II. APPLICATION TO THE VICE-RECTOR FOR DOCTORAL SCHOOL AND CLINICAL RESEARCH OF THE MEDICAL UNIVERSITY OF LUBLIN

I am asking for the possibility of acting as a potential supervisor in relation to the above-mentioned candidate. Currently, I am a scientific supervisor/supervisor of …….. doctoral students and those being educated at the Doctoral School (in total):

1. ……. – ……
   (full name of the doctoral student) (source of project financing)
2. ……. – ……..
   (full name of the doctoral student) (source of project financing)
3. ……. – ……..
   (full name of the doctoral student) (source of project financing)
4. ……. – ……..
   (full name of the doctoral student) (source of project financing)
5. ……. – ……..
   (full name of the doctoral student) (source of project financing)

.....

Stamp and signature of the potential supervisor

III. DECISION OF THE VICE-RECTOR FOR DOCTORAL SCHOOL AND CLINICAL RESEARCH OF THE MEDICAL UNIVERSITY OF LUBLIN

I give my consent/I do not give my consent**
to increase the number of people studying at the Doctoral School under the substantive supervision of Mr./Ms. ……. in the academic year 2023/2024.

.....
Vice-Rector for Doctoral School and Clinical Research
of the Medical University of Lublin

** delete as appropriate

Appendix 6 to the Appendix to Resolution no 224/2023

of the Senate of the Medical University of Lublin of 25 January 2023

DECLARATION OF THE SUPERVISOR CANDIDATE

of lack of formal obstacles to perform the function of a supervisor

I hereby represent that:

– within the last 5 years I did not act as a supervisor for at least 4 doctoral students who were removed from the list of doctoral students due to negative mid-term evaluation,

– within the last 5 years I did not supervise a dissertation prepared by at least 2 applicants for a doctoral degree who did not obtain positive reviews,

– I did not exceed the acceptable number of doctoral students under my supervision;
in case of obtaining by a candidate for the supervisor an individual consent of the Director of the Doctoral School to increase the number of doctoral students under supervision, it is required to enclose this consent (Appendix 5),

.....
date and legible signature of the supervisor

Appendix 7 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University in Lublin of 25 January 2023

REPRESENTATION OF THE SUPERVISOR CANDIDATE

on the achievements during the last 5 years

I hereby represent that:

– the total number of IF points for original papers is

……..,

– awarded grants (<u>externally</u> financed e.g. NCN/NCBiR):

……

……..

……

– obtained patents:

……

……

……

– experience in working with doctoral students – number of doctoral students and duration of doctoral studies

……

……

……

.....
date and legible signature of the candidate for the supervisor

Appendix 8 to the Appendix to Resolution no 224/2023

of the Senate of the Medical University of Lublin of 25 January 2023

REPRESENTATION BY THE PROJECT / INTERNAL GRANT MANAGER (DS)

I hereby represent that:

– the internally funded project (DS) is expected to involve doctoral students

– in the number of:
……

– source of financing
……
(project/internal grant number – DS.)

.....
date and legible signature of the person who is the project/grant manager

Appendix 9 to the Appendix to Resolution no 224/2023
of the Senate of the Medical University of Lublin of 25 January 2023

LIST OF CERTIFICATES
PROOF OF LANGUAGE PROFICIENCY AT B2+ LEVEL
(required in the recruitment process to the Doctoral School of the Medical University in Lublin)

1. IELTS passed with at least 6.5 points or more
2. CAE (Advanced) with proper grades
3. CPE (Proficiency) with proper grades
4. TOEFL passed with 100–120 or 9–12 (paper and computer version)
5. TOLES Advanced with proper grades

Resolution No. 243/2023
of the Senate of the Medical University of Lublin

of March 29, 2023

amending Resolution No. 224/2023 of the Senate of the Medical University of Lublin of January 25, 2023 on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2023/2024 academic year

Pursuant to Article 200(2) of the Act of July 20, 2018, on Higher Education and Science on Higher Education and Science (Journal of Laws 2022, item 574, as amended) and § 23 point 20 of the Statutes of the Medical University of Lublin of June 26, 2019, the Senate of the Medical University of Lublin hereby resolves as follows:

§ 1
In Resolution No. 224/2023 of the Senate of the Medical University of Lublin of January 25, 2023 on the conditions and procedure for admission to Doctoral School of the Medical University of Lublin for the academic year 2023/2024, § 4 is repealed in the appendix.

§ 2
The resolution shall enter into force on the date of its adoption.

Chair of the Senate
Rector of the Medical University of Lublin Prof. Wojciech Załuska

OOL. DL. 021.50.2024

Resolution No. 352/2024
of the Senate of the Medical University of Lublin

of February 21, 2024

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2024/2025 academic year

Pursuant to Article 200(2) of the Act of July 20, 2018, on Higher Education and Science on Higher Education and Science (Journal of Laws 2023, item 742, as amended) and § 24(20) of the Statutes of the Medical University of Lublin of March 29, 2023, the Senate of the Medical University of Lublin hereby resolves
the following:

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2024/2025 academic year, as set out in the appendix to this resolution.

§ 2

The resolution shall enter into force on the date of its adoption.

Chair of the Senate
Rector of the Medical University of Lublin Prof. Wojciech
Załuska, PhD
/electronically signed document/

Annex to Resolution No. 352/2024 of the Senate of the Medical University in Lublin of February 21, 2024

Conditions and procedure of recruitment to the Doctoral School of the Medical University of Lublin for the academic year 2024/2025

Contents

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4. Detailed requirements for candidates and the method grades 7
5. Recruitment Committee 14
6. Medical examinations and mandatory vaccinations..... 16
7. Rules for admission within available limits.....18
8. Candidates with special needs resulting from: health condition, including candidates with disabilities 20
9. Final provisions.....22

1. General provisions

§1

The Medical University of Lublin is recruiting for the first year at the Doctoral School of the Medical University of Lublin, for the academic year 2024/2025 in the field of medical and health sciences, in the disciplines:

1) medical sciences;
2) pharmaceutical sciences;
3) health sciences.

§2

Education at the Doctoral School of the Medical University of Lublin is provided in Polish or

English.

2. Recruitment rules

§3

1. Recruitment to the Doctoral School of the Medical University of Lublin takes place in a competitive manner.
2. The competition procedure includes:
1) submission by the candidate of the documents referred to in § 7;
2) evaluation of the research project;
3) qualifying examination, including checking the level of knowledge
in terms of discipline, including assessment of the ability to conduct discussions (exchange views on the research project) and formulate opinions regarding the area of the research project;
4) confirmation of knowledge of English at the B2+ level;
5) assessment of the achievements, abilities and predispositions of the person applying for scientific work;
6) establishing and announcing the list of people admitted for the first year to the Doctoral School of the Medical University of Lublin;
7) making an entry on the list of persons studying at the Doctoral School of the Medical University of Lublin or issuing an administrative decision refusing admission to the Doctoral School of the Medical University of Lublin.
3. Persons who hold a master's degree, master's degree in engineering or an equivalent degree or are a beneficiary of the "Perły Nauki"/"Diamentowy Grant" program or, in exceptional cases, justified by the highest quality of scientific achievements, may apply for admission to the Doctoral School of the Medical University of Lublin. persons who are graduates of first-cycle studies or students who have completed the 3rd year of uniform master's studies, subject to section 4.
4. To assess the quality of scientific achievements referred to in section 3 The Vice-Rector for the Doctoral School and Clinical Research appoints an Expert Team to assess the

achievements, taking into account, among others:
1) authorship or co-authorship of scientific publications in peer-reviewed scientific journals;
2) participation in research projects;
3) authorship or co-authorship of a patent or utility model;
4) oral presentation of scientific work at a conference, excluding
poster presentations;
5) prizes and distinctions in international competitions;
6) participation in international programs implemented under
international scientific or teaching cooperation between
universities;
7) participation in foreign internships.
5. The competition procedure for education at the Doctoral School of the Medical University of Lublin for the academic year 2024/2025 will be held on the following dates:
1) starting: August 12, 2024;
2) ending: September 20, 2024.
6. Administrative and office support for the competition procedure is provided by the Office of the Doctoral School of the Medical University of Lublin.
7. The Doctoral School of the Medical University of Lublin, as part of the so-called continuous recruitment, accepts persons whose research project is related to the implementation by the Medical University of Lublin of a project financed from external funds, which provides for the participation of people studying at the Doctoral School.
8. The Doctoral School of the Medical University of Lublin, as part of the so-called project recruitment, accepts persons whose research project is related to the implementation of the Project by the Medical University of Lublin as part of the "Marie Skłodowska-Curie Doctoral Networks Program", which provides for the participation of people undergoing training at the Doctoral School.
9. Persons referred to in section 7 and 8 should:
1) be selected in a competition conducted for a given purpose
Project implemented by the Medical University of Lublin;
2) provide a certificate confirming winning the competition,
referred to in point 1;

3) meet the requirements specified in § 7 section 1 point 1 letters a-e, letter g and letter k.

§4

1. The condition for admission to the Doctoral School of the Medical University of Lublin is to obtain a sufficiently high score within the limits of places announced to the public before the recruitment begins, subject to § 12 section 5.

2. By a sufficiently high score, subject to § 8 section 1. point 1, means obtaining:

1) from the research project:

a) assessed by two reviewers, at least 10 points
research project (average grade of two),

b) assessed by three reviewers, at least 12 points
research project (average grade out of three) and

2) at least 50% of points for the qualifying exam.

§5

1. A person studying at the Doctoral School of the Medical University of Lublin may be a person who:

1) is a Polish citizen or a foreigner;

2) has respectively:

a) professional title of doctor, dentist, master's degree,

b) title of doctor, dentist, master's degree or other equivalent,
granted by a state other than the Republic of Poland
Member States of the European Union,

c) title of doctor, dentist, master's degree or other equivalent
awarded by a country other than a European Union Member State, provided that the diploma granting this title has been recognized as equivalent in the Republic of Poland in accordance with separate regulations.

2. Foreigners may undertake and pursue education at the Doctoral School of the Medical University of Lublin under the principles specified in Art. 323 - 328 of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws 2023.742, as amended).

3. Profile of the person acting as a promoter

§6

1. A person applying for the position of supervisor may be an academic teacher who has at least a habilitated doctor's degree in a given or related scientific discipline and who has scientific achievements published over the last 5 years in journals included in the lists of scientific journals and peer-reviewed materials from international conferences. MEiN and having the Impact Factor and whose period of employment at the University does not end before the expiry of 4 years from the date of accepting scientific supervision of a person studying at the Doctoral School of the Medical University of Lublin.
2. A person applying for the position of supervisor may have under the scientific supervision of 3 people who are participants of doctoral studies and studying at the Doctoral School of the Medical University of Lublin (in total), provided that this number does not include people whose research project is financed is from external funds providing for the participation of people studying at the Doctoral School, referred to in § 3 section 7 and 8.
3. The number of people studying at the Doctoral School referred to in section 2 may be increased to 5 at the same time, provided that the consent of the Vice-Rector for the Doctoral School and Clinical Research is obtained. The consent of the Vice-Rector should be obtained before the recruitment process begins. The application template and the Vice-Rector's consent form are attached as Annex No. 5.

4. Detailed requirements for candidates and the method of assessment

§7

1. Persons applying for admission to the University's Doctoral School
Medical University of Lublin submit an application for admission to studies in accordance with Appendix No. 1, which is accompanied by:

1) **Documents required:**
a) copy of the diploma confirming possession of the professional title:

doctor, dentist or master's degree, subject to letter b,
b) for the candidate referred to in § 3 section 3, diploma
first-cycle studies or a certificate from the home university confirming completion of the 3rd year of uniform master's studies,
c) CV,
d) photo in electronic version on a data carrier, in jpg format
in size 237x296,
e) diploma supplement or a certified photocopy of the supplement
for the diploma (original available for viewing),
f) in the case of a candidate who is a graduate of another
higher education institutions than the Medical University of Lublin, a list of grades obtained during first- and second-cycle studies or uniform master's studies,
g) a research project approved by the candidate for supervisor and the head of the organizational unit employing the candidate for supervisor (not less than 3 and not more than 5 pages), which should include:
- project title,
- a summary of the project,
- review of the literature,
- aim of the work and research hypothesis,
- research methodology,
- project innovation,
- link of the project topic with the promoter's activities, - preliminary research,
- expected project implementation costs,
- data management plan,
h) declaration of the person applying for the position of supervisor about the lack of formal obstacles to performing this function, i.e. about: - not having performed the function of supervisor in the last 5 years in relation to at least 4 doctoral students who were removed from the list of doctoral students due to negative result of the mid-term evaluation,
- not providing, during the last 5 years, supervision over the preparation of the dissertation by at least 2 persons applying for a doctoral degree who did not obtain positive reviews,
- not exceeding the permissible number of doctoral students under his/her supervision - if a

candidate for supervisor obtains the individual consent of the Vice-Rector for the Doctoral School and Clinical Research to increase the number of doctoral students under his/her supervision, it is required to attach this consent (in accordance with the Appendix No. 5), the sample declaration of the candidate for supervisor is:
Annex No. 6,
i) declaration of the person applying for the position of promoter
about your achievements for the last 5 years divided into:
- total IF points for original works, - grants (financed from external funds)
- patents,
- experience in working with PhD students,
the declaration template is attached as Annex No. 7,
j) declaration of the person acting as the Project Manager
financed from internal funds with the expected participation of doctoral students, their number and indication of the source of financing (if DS, please provide the number) or other scientific and research grant; the declaration template is attached as Annex No. 8,
k) in the case of a candidate who has a grade in a foreign language other than English in the supplement, a certificate confirming knowledge of English at the B2+ level (the list of certificates is attached as Appendix No. 9) or a certificate from the Practical Study of Foreign Languages at the Medical University of Lublin confirming knowledge of English at the B2+ level.

2) **Optional documents:**
a) list of publications prepared in accordance with § 8 section 1 point 6 and point 7
these recruitment conditions, confirmed by the Library
Medical University of Lublin,
b) confirmation of active participation in conferences, confirmed
program of the scientific conference at which they were presented
findings,
c) certificate of volunteering within the Volunteer Center of MUL or other registered volunteering, specifying the duration of participation,
d) certificate of work on the Management Board of University Student Organizations

specifying the duration,
e) confirmation of receipt of the Minister's Scholarship,
f) certificate of participation in the "Best of the Best" program,
g) confirmation of receipt of the Rector's Award,
h) diploma of completion of a second field of study: second cycle
or first-cycle studies, unless the completion of first-cycle studies was the basis for continuing second-cycle studies, previously included in the score,
i) confirmation of foreign professional internships, specifying the duration,
j) certificate of studies/internships under the Erasmus or Erasmus+ program, specifying the duration,
k) confirmed participation in the organizing committee of a scientific conference,
l) confirmation of the result of the Medical Final Examination or the Medical and Dental Final Examination - applies to persons who obtained 80% or more correct answers in the exams,
m) a certificate from the appropriate Dean's Office confirming that the master's thesis has been distinguished.
2. Failure to submit the documents specified in section 1 point 1 results in the application for admission to the Doctoral School of the Medical University of Lublin being left unconsidered and results in the exclusion of the person applying for admission to the Doctoral School of the Medical University of Lublin from further recruitment proceedings.
3. Application for admission to the Doctoral School of the Medical University of Lublin, together with the documents specified in section 1 and 2, submitted after the deadline, will not be considered, regardless of the reasons for failure to meet the deadline for submitting the application/documents. The deadline for submitting the application or documents is the day on which the documents were received by the Medical University of Lublin.
4. Documents prepared in a language other than Polish or English must be translated by a sworn translator.
5. The candidate also attaches a list of submitted documents.

§8

1. Candidates will be assessed according to the following point system:
1) Assessment of the research project - 0 – 20 points

a) the evaluation of the research project is made by 2 reviewers appointed by the Recruitment Committee, the final score is determined based on the average grade,
b) if the difference in the scores of individual reviewers is at least 10 points, the chairperson of the Recruitment Committee will appoint a third person to be a reviewer, whose grade will be included in the average grade;
2) Project feasibility potential - 0 – 9 points calculated on the basis of:
a) the achievements of the candidate for supervisor for the last 5 years, including:
- total IF points for original works - (0 – 3 points),
- grants (financed from external funds) and/or patents - (0 - 1 point),
- experience of the candidate for supervisor in working with doctoral students - (0 - 2 points),
- not acting as a supervisor over a doctoral student - 0 points,
- acting as a supervisor for 1-3 doctoral students - 1 point,
- acting as a supervisor for 3 doctoral students or more - 2 points,
b) assessment of the research facilities and competences of the team within which the research project will be carried out - (0 - 3 points),
3) Qualifying exam - 0 – 10 points
knowledge of the discipline, including assessment of the ability to conduct discussions and formulate opinions regarding the area of the research project,
4) average grade from studies:
- for an average greater than or equal to 4.00 - average x 4
- for an average below 4.00 - average x 1, the average grade is understood as the arithmetic mean of arithmetic averages counted to 2 decimal places (not including the grade for the defense of the master's thesis),
5) Diploma:
a) with a very good result - 2 points
b) with honors or "Primus Inter Pares" diploma - 4 points
6) Publications in journals listed in the latest list of MEiN,
prepared in accordance with the regulations issued pursuant to Art. 267 section 2 point 2 of the Law on Higher Education and Science, hereinafter referred to as the "list of journals",
points obtained x 0.2
punctation:

a) a person who is the 1st author or corresponding author
– 100% points,
b) the person who is the second author – 50% of the points,
c) a person who is the 3rd or further author - 10% of points, the points indicated in the last list of journals will be assigned to articles regardless of the year of their publication,
Other full-text scientific publications (regardless of number) - 1 point;
Active participation in conferences (max. 3 points) - 0 – 3 points - 1 point for active participation
- 2 points for distinction – 1st, 2nd or 3rd place;
9) Work for the University on the Management Board of the University Student Organization (min. 1 year) - 1 point;
10) Volunteering lasting at least 1 year within the Volunteer Center of the Medical University of Lublin or in other institutions confirmed by a volunteering contract or a certificate of completed volunteering - 1 point;
11) Minister's scholarships
12) participation in the "Best of the Best" program
13) Rector's Awards (for each award)
14) Diploma of completion of a second field of study:
- 3 points;
- 3 points;
- 1 point;
a) second degree - 2 points,
b) first degree - 1 point,
unless the completion of first-cycle studies was essential
to continue second-cycle studies shown for credit,
15) Foreign professional internships - minimum 1 month of stay - 2 points (maximum 4 points);
16) Studies or internships under the Erasmus or Erasmus + program (maximum 8 points) - 0 – 3 points;
- scoring: for studies – 3 points
for internships – 1 point (min. 14 days of stay);

17) Participation in the organizing committee of a scientific conference
- for each confirmed – 1 point (maximum 2 shares);
18) For obtaining at least 80% correct answers in the Medical Final Examination or Medical and Dental Final Examination - 1 point;
19) For a distinguished master's thesis - 1 point.
2. The Doctoral School Office formally confirms the correctness of the points calculated in the recruitment procedure.
3. The qualifying examination takes place on the date set for a given candidate. Make-up examinations are not allowed.
4. At the request of the candidate, the chairperson of the Recruitment Committee may consent to conducting the examination remotely, i.e. "on-line", provided that the online connection should be made through a university or research institute, where the candidate's identity will be verified and confirmed.

§9
1. The template for the evaluation sheet for the research project and the qualifying examination is attached as Appendix 2.
2. A template of the research project evaluation sheet for reviewers is attached as Appendix 3.
3. A template of the candidate's point evaluation sheet is attached as Appendix 4.

5. Recruitment Committee

§ 10
1. The competition procedure is conducted by the Recruitment Committee appointed by the Vice-Rector for the Doctoral School and Clinical Research of the Medical University of Lublin.
2. The Recruitment Committee referred to in section 1 include:
1) Chairman of the Scientific Council of the Doctoral School – chairman of the Committee;
2) Heads of Doctoral Studies – persons who are members of the Committee;
3) 6 academic teachers in the discipline of medical sciences and 3 academic teachers in the

discipline of pharmaceutical sciences and in the discipline of health sciences, holding the academic title of professor or the academic degree of doctor habilitated - persons who are members of the Commission.

§ 11

The tasks of the Recruitment Committee include:

1) accepting documents and making decisions about admitting a candidate to the competition procedure;

2) establishing a schedule for the competition procedure;

3) conducting the competition procedure;

4) preparation of protocols from the competition proceedings;

5) issuing recommendations to admit or refuse to admit a candidate to the Doctoral School.

§ 12

1. The admission limit for education at the Doctoral School of the Medical University of Lublin is established by the Senate of the Medical University of Lublin by way of a resolution.

2. Limits are set for individual disciplines in which education is provided at the Doctoral School of the Medical University of Lublin, i.e.: medical sciences, pharmaceutical sciences, health sciences.

3. The competition procedure is based on point evaluation.

4. People who obtain the highest number of points during the competition procedure and meet the condition specified in section 5 will be admitted to the Doctoral School of the Medical University of Lublin.

5. The condition for admission is that the candidate must provide,
included in the ranking list, current test results and protective vaccinations specified in the Rector's Order No. 67/2019 of June 18, 2019 on the rules for conducting mandatory medical examinations and protective vaccinations for candidates for studies at the Medical University of Lublin and candidates for the Doctoral School of the Medical University in Lublin and for students and PhD students of the Medical University of Lublin.

6. The results of the competition proceedings are public.

6. Medical examinations and mandatory vaccinations

§ 13

1. The Doctoral School Office publishes on the website for candidates a list of factors that are harmful, burdensome and hazardous to health, hereinafter referred to as "harmful factors". Harmful factors occur during education at the Doctoral School in the following disciplines: pharmaceutical sciences, medical sciences, health sciences.
2. In the disciplines referred to in section 1, the condition for admitting a trainee to classes or scientific research is the submission of a medical certificate confirming the lack of health contraindications to pursuing education at the Doctoral School (in a given discipline) - subject to section 4.
3. Candidates placed on the ranking list in the disciplines referred to in section 1, receive a referral for a medical examination. A medical certificate from the examination must be submitted before the commencement of classes or scientific research during which harmful factors occur, but no later than November 15.
4. The University strives to enable as many people as possible to undertake education at the Doctoral School, in particular by eliminating or limiting harmful factors in individual cases.
5. A candidate who presents a medical certificate
stating the existence of health contraindications to pursuing education at the Doctoral School (in a given discipline), may exercise the right to apply for the elimination or limitation of harmful factors. If harmful factors are limited, the candidate will be re-referred for medical examinations related only to these limited harmful factors.
6. If it is not possible to reduce or eliminate harmful factors or if, despite their limitation, the candidate presents a medical certificate confirming the existence of health contraindications to pursue education at the Doctoral School (in a given discipline), the Vice-Rector for the Doctoral School and Clinical Research decides to remove the this person from the list of doctoral students.
7. In the disciplines of pharmaceutical sciences, medical sciences, health sciences, the condition for admitting a person studying at the Doctoral School to practical classes, professional internships or clinical classes is to undergo mandatory protective vaccinations against hepatitis B virus infection (Hepatitis B), hereinafter referred to as "protective

vaccinations".
8. Candidates placed on the ranking list in disciplines,
referred to in section 7, receive a referral for preventive vaccinations, subject to section 9.
9. Persons who have previously undergone preventive vaccinations and have documentation confirming this are exempt from vaccinations, provided that a period not longer than the period of immunity has passed since the vaccination.
10. A copy of confirmation of undergoing vaccinations referred to in section 7 and 9, must be submitted before the start of practical classes, professional internships or clinical classes, but no later than November 15.

7. Rules for admission within available limits.

§ 14
1. If the number of applicants is greater than the established limit, persons who obtained the highest number of points during the competition procedure will be admitted to the Doctoral School, until the admission limit for individual disciplines is exhausted.
2. In the case referred to in section 1, when 2 or more people have obtained an equal number of points entitling them to admission to the Doctoral School, admission is based on the greater number of points obtained as a result of the evaluation of the research project.
3. In the case referred to in section 2, when 2 or more people obtained an equal number of points entitling to admission to the Doctoral School and an equal number of points obtained from the evaluation of the research project, the average of the grades from the studies determines admission to the Doctoral School.

§ 15
1. If the number of candidates is lower than the established limit of places for individual disciplines, all persons who have obtained the number of points specified in § 4 section will be qualified for education at the Doctoral School. 2.
2. If the limit of places to the Doctoral School of the Medical University of Lublin in a given discipline is not exhausted and the number of candidates in the remaining disciplines is

greater than the limit of places for these disciplines, then the unused places enter the pool of places available for candidates in other disciplines and are divided based on the ranking list.
3. In the event that after the recruitment procedure
to the Doctoral School, the limit of places is not exhausted, the University may conduct a supplementary recruitment on the date announced on the University's website.

§ 16

1. Admission to the Doctoral School takes place by way of entry on the list of doctoral students. The list is approved by the Vice-Rector for Doctoral School and Clinical Trials
2. The Vice-Rector for Doctoral School and Clinical Trials, at the request of the candidate, issues a certificate of entry on the list of doctoral students.
3. Decision to refuse admission to the University's Doctoral School
Medical School in Lublin is issued on behalf of the Rector by the Vice-Rector for Doctoral School and Clinical Trials by way of an administrative decision, based on appropriate authorization.
4. From the decision referred to in section 3, an application for reconsideration of the case is entitled to be submitted to the Rector,
within 14 days from the date of delivery of the decision. The Rector's decision is final.

8. Candidates with special needs resulting from their health, including candidates with disabilities

§ 17

1. The University provides persons with special needs resulting from their health, including candidates with disabilities, conditions for full participation in the life of the University and the academic community,
including recruitment to the Doctoral School and education at the Doctoral School.
2. Support and coordination of activities for people with special needs resulting from their health, including people with disabilities, takes place in the manner and on the principles specified in the Support Regulations [hyperlink]

3. The Recruitment Committee and the Doctoral School Office are responsible for providing recruitment support. The Rector's Plenipotentiary for Disabled Students coordinates support activities.
4. A candidate with special needs resulting from his/her health condition, including a candidate with a disability, if his/her special needs justify it, is entitled to entitlements and services, including:
1) ensuring the availability of the form of the qualifying examination, including ensuring the equivalence of the form and the objectivity of the assessment;
2) ensuring the accessibility of the exam site, such as:
a) architectural accessibility of the building in which it takes place
exam,
b) accessibility of the surroundings of the place where the exam takes place (applies at least to: the exam room, toilets, cloakroom, access to the building, parking lot),
3) ensuring the availability of conditions and appropriate organization
exam, such as:
a) appropriate sound system, quiet examination room,
equipped with an induction loop or other solutions supporting hearing,
b) appropriate lighting,
c) limiting factors that have a negative impact on the candidate during the exam (e.g. noise intensity, number of people in the room),
d) an appropriately long duration of the exam, including a longer period
for: providing a written or oral response, preparing for an oral response, and the like;
4) ensuring digital availability of the exam in a remote form, i.e. "on-line";
5) providing a teaching assistant;
6) providing a sign language interpreter or lipspeaker.
5. The Vice-Rector for the Doctoral School and Clinical Trials ensures or supports the implementation of the granted powers and services.
6. Applications of a candidate with special needs, including a candidate with a disability, submitted to the Doctoral School Office, referring to health status - are considered in cooperation with the Rector's Plenipotentiary for Disabled Students.
7. Medical documentation, judgments and the like are included in the documentation of the

Rector's Plenipotentiary for Disabled Students and are not included in the documentation of the recruitment procedure.
8. Detailed information for candidates with special needs resulting from their health, including candidates
with disabilities, regarding, among other things, recruitment, is presented in the "Information for candidates with disabilities" [hyperlink to the "Information..."], on the website for candidates for the Doctoral School [hyperlink], as well as on the website of the Rector's Plenipotentiary for Disabled Students [hyperlink to information for candidates].

9. Final provisions

§ 18
A detailed schedule specifying the dates of the competition procedure, including the submission of documents referred to in § 7, and the results of the competition procedure will be announced on the website of the Medical University of Lublin.

Appendix No. 1 to the Appendix

to Resolution No. 352/2024 of the Senate of the Medical University of Lublin of February 21, 2024

Application

I am applying for admission to the Doctoral School of the Medical University of Lublin in the academic year 20……../20……..,

in the field of medical and health sciences:

- scientific discipline: pharmaceutical sciences*
- scientific discipline: medical sciences*
- scientific discipline: health sciences*

* mark the appropriate one

The substantive/scientific supervisor of the research project (potential promoter) will be:

……

…….

The candidate

1. Surname: …….... First name/ names: ……..……..

2. Datę and place of birth: day __ __ month __ __ year __ __ __ __

place.....

province .....

country.....

citizenship ……..

country of origin…….

ID document type…….…….

Number if ID……

country of issue of the identity document……

3. PESEL _ _ _ _ _ _ _ _ _ _ _

4. mother's name: .....

father's name: .....

5. Permanent registered address: area code __ __ - __ __ __

Appendix No. 1 to the Appendix

to Resolution No. 352/2024 of the Senate of the Medical University of Lublin of February 21, 2024

city …….

street ..... flat number

..... province …….....

county.....

6. Mailing address: area code __ __ - __ __ __

city …….

street ..... flat number

..... province …….....

county.....

7. Telephone address ……..

8. E- mail …….

I provide the data contained in the registration form voluntarily. I am aware that providing data and participating in the qualification process for studies depends on my decision, and at the same time, failure to provide data will prevent me from participating in the recruitment process for studies. I have been informed about the planned form and scope of processing of my data, as well as that I have the right to resign from participation in the recruitment process at any time.

Information regarding the processing of personal data

The administrator of personal data collected during the recruitment process, and in the case of qualifying for the Doctoral School also during the educational process, is the Medical University of Lublin with its registered office at Al. Racławickie 1, 20-059 Lublin.

The University processes personal data for the purposes of the recruitment procedure for the Doctoral School and - in the case of qualification - documenting the course of education, as well as for statutory, archival and statistical purposes, as well as to pursue claims - in situations provided for by law**.**

Providing data is voluntary, but necessary to achieve the purposes for which it was collected. The basis for the processing of personal data of

candidates for the Doctoral School is the Act of July 20, 2018, Law on Higher Education and Science.

Data will be processed only during the periods necessary to achieve the above-mentioned purposes, as well as during the period necessary to clarify any doubts and possible claims related to the implementation of a given data processing process, within the period provided for by law and internal legal acts in force at the University.

The processed data will not be sold or made available to external entities, except for entities authorized under the law, including those with which the University concludes appropriate contracts, e.g. in connection with the use of external services, including: in the field of IT.

Each candidate, and in the case of qualifications, a person participating in education at the Doctoral School, to whom the data relates, has the right to access his or her data, rectify it, transfer the data, obtain a copy of it, and also has the right to submit a complaint to the supervisory body and assert his or her rights by means of court proceedings. In cases provided for by law, you may exercise the right to limit data processing, and if you participate in voluntary initiatives during your studies at the Doctoral School that require the student's consent, you may withdraw your consent and may also request the deletion of your data or object to its processing.

The processed data will not be used for purposes other than those indicated above, the data will not be subject to profiling, and no automated decisions will be made based on them.

The personal data administrator has appointed a person supervising the correctness of personal data processing, who can be contacted at: iod@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after the recruitment process, please select the consent below, in accordance with your will.

Appendix No. 1 to the Appendix

to Resolution No. 352/2024 of the Senate of the Medical University of Lublin of February 21, 2024

Expressing your consent is voluntary, you have the right to withdraw it at any time, which will not, however, affect the legality of data processing before the consent is withdrawn. The data will not be used for any purpose other than that indicated in the consent, the data will be processed during the validity period of the consents, until they are withdrawn or until an objection to data processing is expressed. All information regarding the method of data processing is included in the information clause regarding the processing of personal data.

☐ *I consent to*

the processing of my data contained in the form after the recruitment process for purposes related to the implementation of marketing and information activities by the Medical University of Lublin with its registered office at Al. Racławickie 1, 20-059 Lublin.

☐ *I consent to*

the transfer by the Medical University of Lublin based at Al. Racławickie 1, 20-059 Lublin unsolicited information, including commercial information, to the mailbox indicated by me, in accordance with the Act on the provision of electronic services.

☐ *I consent to*

I consent to the transfer by the Medical University of Lublin based at Al. Racławickie 1, 20-059 Lublin marketing information using telecommunications terminal devices, in particular using the indicated telephone number, in accordance with the Telecommunications Law.

……..

date and legible signature of the candidate

Appendix No. 2 to the Appendix to Resolution No. 352/2024 of the Senate of the Medical University of Lublin of February 21, 2024

Assessment sheet for the research project and the qualifying examination of a candidate for the Doctoral School of the Medical University of Lublin

Candidate: ……

Topic suggestion:.....

I. Evaluation of the research project:

Substantive evaluation of the research project: 1) Current state of knowledge in the context of the proposed project 2) Purpose of the work and justification for the choice of topic in the context of available literature 3) Level of project innovation 4) Applicability of the project 5) Project feasibility and risk analysis	0-4 pt 0-6 pt 0-3 pt 0-3 pt 0-4 pt
Number of points (max. 20 pt)	

Obtained assessment of the project:..... points

....

Signature of the chairman of the Commission

II. Qualifying examination:

Qualifying examination on knowledge in the field, including an assessment of the ability to conduct discussions and formulate opinions regarding the area of the research project	0-10 pt
Number of points (max. 10 pt)	

Obtained assessment of the project:..... points

.....

Signature of the chairman of the Commission

Appendix No. 3 to the Appendix to Resolution No. 352/2024
of the Senate of the University of Medical Sciences in Lublin of February 21, 2024

Research Project Assessment Sheet for a reviewer of a candidate applying to the Doctoral School of the Medical University of Lublin

Candidate:

.....

Proposed topic:

.....

I. Evaluation of the research project:

	Substantive evaluation of the research project:		
	1) Current state of knowledge in the context of the proposed project	0-4 points	
	2) Purpose of the work and justification for the choice of topic in the context of the available literature	0-6 points	
	3) Level of innovation of the project	0-3 points	
	4) Applicability of the project	0-3 points	
	5) Project feasibility and risk analysis	0-4 points	
	Number of points (max. 20 points)		

Appendix No. 3 to the Appendix to Resolution No. 352/2024
of the Senate of the University of Medical Sciences in Lublin of February 21, 2024

Project rating obtained……points

……
….. Signature of the chair of the Committee

Appendix no. 4 to the Appendix to Resolution no. 352/2024
Of the Senate of the Medical University of Lublin of 21 February 2024

Score Sheet of a candidate for the Doctoral School of the Medical University of Lublin (MUL)

Name and surname:

……

MUL unit:

……

……

Item	Accomplishments	Grading scale	Score
1.	Research project (acc. to the score sheet appx. no. 2)	0 – 20 pt.	
2.	Project feasibility calculated on the basis of: a) academic background of the person applying for the post of a supervisor, concerning the last 5 years, including: - IF points aggregate index, concerning original works (0 – 3 pt.) - grants (through external financing) and/or patents (0 – 1 pt.) - experience in working with PhD students (0 – 2 pt.) b) evaluation of the research background and competencies of the team which is going to	0 – 9 pt.	

	carry out the research (0 – 3 pt.)		
3.	Qualifying examination concerning knowledge in the discipline's field (acc. to the score sheet appx. no. 2)	0 – 10 pt.	
4.	Grade point average: a) greater than or equal to 4,00 b) lower than 4,00	 average x 4 average x 1	
5.	Diploma: 1) with excellent grades 2) with distinction or "Primus Inter Pares" medal	 2 pt. 4 pt.	
6.	Scientific papers in the journals mentioned in the latest list of journals. An approved printout/list* from the University Library of MUL is required. The grading scale for the journals stated in the above list will be applied when grading the articles, regardless of the year of publication.	1 author or corresponding author – 100% 2 author – 50% 3 and further authors – 10% Total points for the publications x 0,2	
7.	Other full-text scientific publications (regardless of their number) - an approved printout/list from the University Library of MUL is required.	1 pt.	
8.	Active participation in conferences (max. 3 pt.)	- 1 pt. for active participation - 2 pt. for distinction, I, II or III place	

9.	Working for the University – in the Board of the University's Student Organisation – min. 1 year	1 pt.	
10.	Voluntary service within the MUL Volunteer Centre or other voluntary services certified with a contract or a volunteer certificate (at least 1 year)	1 pt.	
11.	Minister's Scholarship	3 pt.	
12.	Participant in the "Najlepsi z najlepszych" project (the „best of the best" project)	3 pt.	
13.	Rector's awards (for each award)	1 pt.	
14.	Diploma of graduation from a second major	1) At master's level – 2 pt. 2) At bachelor's level – 1 pt. (if the bachelor's degree was not the basis for continuing graduate studies shown for the grading scale)	
15.	Internship abroad – min. one-month stay	2 pt. (max. 4 pt.)	
16.	Studies /internship within the Erasmus or Erasmus+ programme (max. 8 pt.)	for studies – 3 pt. for internship – 1 pt. (min. 14-day stay)	
17.	Participation in the organizing committee of a convention – for	1 pt. (max. 2 participations)	

	each participation certified with an official conference programme		
18.	For obtaining at least 80% of correct answers in the final medical exam (Lekarski Egzamin Końcowy)	1 pt.	
19.	For MA thesis with distinction	1 pt.	
Total score:			

*in case of lack of publications registered in the database of MUL employees' publications

1. Consent of the candidate to act as promoter

(pattern)

I consent to assuming the duties of a substantive supervisor/potential supervisor/of Ms./Mr./Mr. doctoral thesis. ..... who is applying for admission to the Doctoral School of the Medical University of Lublin in the academic year 2024/2025 as part of:
- a project financed from external funds with the expected participation of doctoral students*
or
- a project financed from internal funds with the expected participation of doctoral students*
* mark the appropriate one

I declare that taking into account the above-mentioned candidacy, the number of people participating in doctoral studies and studying at the Doctoral School as of October 1, 2024, under my scientific supervision will not exceed 3 people*, provided that this number does not include people whose research project is financed from external funds providing for the participation of people studying at the Doctoral School.

**if the number exceeds 3 people (from outside grants), consent must be obtained from the Vice-Rector for the Doctoral School and Clinical Research of the Medical University of Lublin (point 2 - application to the Vice-Rector for the Doctoral School and Clinical Research, part two of the application)*

Lublin, date .....

…….

Stamp and signature of the substantive supervisor/potential supervisor

……..

Stamp and signature of the Head of the Department/Clinic/Department

---

2. Application to the Vice-Rector for the Doctoral School and Clinical Research of the Medical University of Lublin (template)

I am asking for the opportunity to serve as a potential promoter in relation to the above-mentioned. candidate. Currently, I am the scientific supervisor/supervisor of …….. people participating in doctoral studies and studying at the Doctoral School (in total):

1. ……. – ……
   (name and surname of the doctoral student) (source of project financing)
2. ……. – ……..
   (name and surname of the doctoral student) (source of project financing)
3. ……. – ……..
   (name and surname of the doctoral student) (source of project financing)
4. ……. – ……..

(name and surname of the doctoral student) (source of project financing)

5. ……. – ……..
(name and surname of the doctoral student) (source of project financing)

.....
Seal and signature of the potential promoter

Decision of the Vice-Rector for the Doctoral School and Clinical Research of the Medical University of Lublin

I consent/I do not consent**
to increase the number of people studying at the Doctoral School under the substantive supervision of Mr./Ms

.....
in the academic year 2024/2025.

.....
Vice-Rector for the Doctoral School and Clinical Research
Medical University of Lublin

** delete as appropriate

Annex No. 6 to the Annex to Resolution No. 352 /2024

of the Senate of the Medical University in Lublin on February 21, 2024

Declaration of the candidate for Promoter
about the lack of formal obstacles to serving as a promoter

I hereby declare that:

- during the last 5 years, I have not acted as a supervisor for at least 4 doctoral students who were removed from the list of doctoral students due to a negative result of the mid-term evaluation,
- in the last 5 years, I have not supervised the preparation of the dissertation by at least 2 people applying for a doctoral degree who did not obtain positive reviews,
- I have not exceeded the permissible number of doctoral students under my supervision; if the candidate for supervisor obtains the individual consent of the Vice-Rector for the Doctoral School and Clinical Research to increase the number of doctoral students under supervision, it is required to attach this consent (Appendix 5),

.....

date and legible signature of the candidate for supervisor

Annex No. 7 to the Annex to Resolution No. 352/2024
Senate of the Medical University of Lublin of February 21, 2024

Declaration of the candidate for supervisor about his/her achievements for the last 5 years

I hereby declare that:
- the total IF points for original works is:
……..,
- grants awarded (financed from external funds, e.g. the National Science Center/National Center for Research and Development):
……
……..
……
- obtained patents:
……
……
……
- experience in working with doctoral students - number of doctoral students and period of doctoral studies/doctoral school
……
……
……

....
date and legible signature of the candidate for supervisor

Annex No. 8 to the Annex to Resolution No. 352/2024

Senate of the Medical University of Lublin of February 21, 2024

Declaration of the person who is the Project/Internal Grant Manager (DS)

I hereby declare that:
- in a project financed from internal funds (DS) or another research grant, the following participation of doctoral students is expected:

- in number:

……

- source of financing

……
(project/internal grant number/DS number)

.....
date and legible signature of the person who is the project/grant/DS manager

Appendix No. 9 to the Appendix to Resolution No. 352/2024 of the Senate of the Medical University of Lublin dated February 21, 2024

List of certificates confirming B2+ language proficiency (required in the recruitment process for the Doctoral School of the Medical University of Lublin):

1) IELTS passed with a minimum score of 5 points or higher;
2) CAE (Advanced) with any positive grade;
3) CPE (Proficiency) with any positive grade;
4) TOEFL passed with a score of 100-120 or 9-12 (paper and computer-based versions);
5) TOLES Advanced with any positive grade;
6) FCE with a grade of B or A.

DL.021.54.2025

Resolution No. 15/2025

of the Senate of the Medical University of Lublin

dated February 26, 2025

on the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the academic year 2025/2026 Pursuant to Article 200(2) of the Act of July 20, 2018, Law on Higher Education and Science (Journal of Laws of 2024, item 1571, as amended)and § 24(19) of the Statutes of the Medical University of Lublin of August 21, 2024, the Senate of the Medical University of Lublin

resolves as follows:

§ 1

The Senate establishes the conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2025/2026 academic year, constituting the Appendix to this Resolution.

§ 2

The resolution shall enter into force on the date of its adoption.

On behalf of the Rector

of the Medical University of Lublin

Vice-Rector for Science

Prof. Jarogniew Łuszczki, PhD

/document signed with a qualified electronic signature

Appendix to Resolution No. 15/2025 of the Senate of the Medical University of Lublin
of 26 February 2025

Conditions and procedure for admission to the Doctoral School of the Medical University of Lublin for the 2025/2026 academic year

Contents

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Appendix to Resolution No. 15/2025 of the Senate of the Medical University of Lublin
of 26 February 2025

§ 1

The Medical University of Lublin conducts admissions for the first year to the Doctoral School of the Medical University of Lublin for the 2025/2026 academic year in the field of medical sciences and health sciences, for the following disciplines”

1) medical science;
2) pharmaceutical science;
3) health sciences.

§ 2

Education at the Doctoral School of the Medical University of Lublin takes place in Polish or English.

1. Admission rules

§ 3

1. Admission to the Doctoral School of the Medical University of Lublin is conducted as a competition procedure.
2. The competition procedure includes:
   1) submission by the candidate of the documents referred to in § 8,
   2) evaluation of the research project;
   3) an interview, including the presentation of the project in the form of a multimedia presentation and verification of the level of knowledge in the discipline, including an assessment of the ability to conduct a discussion (exchange of views on the research project) and formulate opinions on the area of the research project;
   4) confirmation of English language proficiency at the B2+ language proficiency level;
   5) evaluation of the candidate's achievements, abilities and aptitude for scientific work;

6) establishing and publishing a list of persons admitted for the first year to the Doctoral School of the Medical University of Lublin for the first year,
7) issuing an administrative decision on refusal of admission to the Doctoral School of the Medical University of Lublin.

3. Persons who hold a master's degree, master of engineering or equivalent (doctor, dentist), and a diploma of completion of studies with a grade of at least 'good' or are beneficiaries of the 'Pearls of Science'/'Diamond Grant' ['Perły Nauki'/ 'Diamentowy Grant'] programme or, in exceptional cases justified by the highest quality of scientific achievements, persons who are graduates of first-cycle studies or students who have completed the third year of a long-cycle Master's degree programme, subject to paragraph 4.
4. In order to assess the quality of the scientific achievements referred to in paragraph 3, the Dean of the Doctoral School shall appoint a team of experts to evaluate the achievements, taking into account, for example:
   1) authorship or co-authorship of scientific publications in peer-reviewed scientific journals, taking into account the order of authorship;
   2) participation in projects as a manager or staff member (scientific, teaching, e.g. within Erasmus +, as well as projects, including student mini-grants, student research circles creating innovations, etc.);
   3) authorship or co-authorship of a patent or utility model;
   4) presentation of scientific work at a national or international conference (only the first author of an oral presentation or poster);
   5) awards and distinctions in national and international competitions;
   6) participation in international programmes under an international scientific or educational partnership between universities,
   7) participation in internships abroad.
5. The competition procedure for training at the School of Doctoral Studies of the Medical University in Lublin for the academic year 2025/2026 shall take place on the following dates:
   1) start: 4 August 2025;

2) finish: 12 September 2025.

6. Administrative and office services for the admission procedure are provided by the Doctoral School Dean's Office of the Medical University of Lublin.
7. The Doctoral School of the Medical University of Lublin, under continuous admission, admits people whose research project is related to the implementation by the Medical University of Lublin of the Project financed from external funds, which provides for the participation of people studying at the Doctoral School.
8. The Doctoral School of the Medical University of Lublin accepts, as part of project-based admission, individuals whose research project is related to the implementation by the Medical University of Lublin of a project under the Marie Skłodowska-Curie Doctoral Networks Programme, which provides for the participation of persons studying at the Doctoral School.
9. Persons referred to in paragraphs 7 and 8 should:
   1) be selected in a competition conducted for a given Project implemented by the Medical University of Lublin;
   2) provide a certificate confirming that they have won the competition referred to in item 1;
   3) meet the requirements specified in § 8 paragraph 1 item 1 points a-e, point g and point m.

§ 4

1. Admission to the Doctoral School is subject to payment.
2. The Rector, by way of a Regulation, shall determine the amount of the admission fee for the competition for admission to the Doctoral School, after consulting the Doctoral Students' Self-Government, and shall make it public before the start of the admission procedure.
3. A candidate for the Doctoral School is obliged to pay the recruitment fee no later than on the last day of submission of the documents referred to in § 8.

Failure to pay the recruitment fee shall result in the removal from the list of candidates and prevent participation in any further admission proceedings.

4. A candidate is entitled to a refund of the recruitment fee in the following cases:
   1) withdrawal from education in a given discipline by the Doctoral School;
   2) payment of the recruitment fee after the deadline;
   3) overpayment of the recruitment fee.
5. In the case referred to in paragraph 4 points 2 and 3, the fee shall be refunded at the written request of the candidate. In the case referred to in paragraph 4 point 1, the University shall refund the fee by default to the account from which the payment was made.

§ 5

1. Admission to the Doctoral School of the Medical University of Lublin is conditional upon obtaining a sufficiently high score within the limits of places available for medical sciences, pharmaceutical sciences and health sciences, announced to the public before the date of the interview held as part of the admission process, subject to § 13 paragraph 6.
2. Admission to the Doctoral School consists of two stages:
   1) in the first stage, the Candidate's research project is evaluated by 2 reviewers, subject to § 9, paragraph 1, point 1, letter b. An average score of at least 16 points for the research project is required to qualify for the second stage of admission.
   2) the second stage is an interview in Polish or English. In the case of an interview in Polish, the candidate may receive a maximum of 10 points (5 points for the oral presentation and 5 points for the discussion). For the presentation and discussion in English, the candidate may receive an additional 4 points, including 2 points for the preparation and presentation and 2 points for the discussion.

3. A sufficiently high score is understood as obtaining at least 16 points from the average grade of the research project in accordance with § 9, paragraph 1, point 1.

§ 6

1. A person studying at the Doctoral School of the Medical University of Lublin may be a person who:
   1) is a Polish citizen or a foreigner;
   2) holds respectively:
      a) the professional title of a doctor, dentist or master,
      b) the professional title of a doctor, dentist, master or other equivalent, issued by the Member State of the European Union other than the Republic of Poland,
      c) the professional title of a doctor, dentist, master or other equivalent issued by a country other than a Member State of the European Union, provided that the diploma granting the title has been recognised in the Republic of Poland as equivalent in accordance with separate provisions.
2. Foreigners may undertake and pursue education at the Doctoral School of the Medical University of Lublin on the terms set out in Article 323 – 328 of the Act of 20 July 2018 Higher Education and Science Law (consolidated text: (Journal Laws of 2024, item 1571, as amended);

2. Profile of a person acting as a supervisor

§ 7

1. A candidate for the position of supervisor may be an academic teacher holding at least a postdoctoral degree in a given or related scientific discipline and having scientific achievements published in the last 5 years (full calendar years) in journals included in the lists of scientific journals and peer-reviewed materials from international conferences of the Ministry of

Science and Higher Education and the Ministry of Education and Science and having an Impact Factor, and whose period of employment at the University does not end before the expiry of 4 years from the date of acceptance of scientific supervision of a student at the Doctoral School of the Medical University of Lublin.

2. A person applying for the position of assistant supervisor or second supervisor (in inter-professional projects) must meet the conditions specified in the Criteria for appointing a second supervisor/assistant supervisor, constituting Appendix No. 15 and Appendix No. 16, respectively.
3. A candidate for the function of a supervisor may have under the scientific supervision 3 persons who are studying at the Doctoral School of the Medical University of Lublin (in total), provided that this number does not include persons whose research project is financed from external funds providing for the participation of persons studying at the Doctoral School, referred to in § 3 paragraphs 7 and 8.
4. The number of students enrolled in the Doctoral School referred to in paragraph 3 may be increased to 5 at a time, subject to the consent of the Dean of the Doctoral School. The consent of the Dean of the Doctoral School, in accordance with Appendix No. 10, must be obtained before the recruitment process begins.

3. Detailed requirements for candidates and the method of evaluation

§ 8

1. Persons applying for admission to the Doctoral School of the Medical University of Lublin shall submit an application for admission to education in accordance with Appendix No. 1, to which they shall attach:
   1) **required documents:**
      a) a copy of the diploma confirming the professional title: doctor, dentist or master, subject to point b),

b) for candidates referred to in § 3, paragraph 3, a first-cycle diploma or a certificate from the home university confirming completion of the 3rd year of a long-cycle Master's degree programme,
c) a CV,
d) an electronic photo on a data carrier in a JPEG format, size 237x296,
e) a supplement to a diploma or a certified photocopy of the supplement to the diploma (original available upon request),
f) in the case of a candidate who is a graduate of a university other than the Medical University of Lublin, a list of grades obtained during first-cycle and second-cycle studies or long-cycle Master's degree programmes,
g) a research project approved by the candidate's supervisor and the head of the organisational unit employing the candidate's supervisor (no less than 4 and no more than 6 pages), constituting Appendix 4 (description of the research project), supplemented with a title page (Appendix 3), which should include:
   - title of the project,
   - summary of the project,
   - literature review,
   - purpose of the work,
   - research problems,
   - research methodology,
   - innovative nature of the project and its applicability,
   - relationship between the subject of the project and the supervisor's activities,
   - estimated costs of project implementation,
   - data management plan,
h) consent of the person applying to be the supervisor (a template for consent is provided in Appendix No. 9),

i) a declaration of the candidate for the supervisor that there are no formal obstacles to fulfilling this function, (a template for the candidate's statement is provided in Appendix No. 11), i.e.:
   - failure to act as a supervisor in the last 5 years in relation to at least 4 doctoral students who were removed from the list of doctoral students due to the negative result of the mid-term evaluation,
   - not supervising the preparation of a dissertation within the last 5 years for at least 2 applicants for a PhD degree who did not obtain positive reviews,
   - not exceeding the permissible number of doctoral students under their supervision – if the candidate for the position of supervisor has obtained the individual consent of the Dean of the Doctoral School to increase the number of doctoral students under their supervision, this consent must be attached (in accordance with Appendix No. 10),

j) statement of the candidate for the position of supervisor on their achievements over the last 5 years (Appendix No. 13),

k) Questionnaire on the scientific achievements of the candidate for supervisor/second supervisor/assistant supervisor (Appendix No. 14),

l) statement of the person acting as the Project Manager financed from internal funds on the expected participation of doctoral students, their number and the source of financing (if DS, please provide the number) or other scientific and research grant; the template of the statement is provided in Appendix No. 12,

m) a candidate with a foreign language other than English stated in the supplement, a certificate confirming the command of English at the B2+ level (the list of certificates is attached as Appendix No. 17) or a certificate from the Centre for Practical Foreign Language Teaching of

the Medical University of Lublin confirming the command of English at the B2+ level,

n) confirmation of payment of the recruitment fee;

2) **optional documents:**

a) a list of publications prepared in accordance with § 9, paragraph 1, points 6-8, confirmed by the Main Library of the Medical University of Lublin,

b) an evaluation of the scientific achievements of the candidate for the Doctoral School (Appendix No. 2),

c) certificate of active participation in national and international conferences, confirmed by the scientific conference programme or certificate, at which the research results were presented (in the case of international conferences held in Poland, a certificate from the conference organiser should be attached as Appendix No. 18),

d) certificate of distinction for an oral presentation or poster,

e) grants and mini-grants – a certificate of obtaining/awarding and the function performed (manager/contractor), confirmed by an employee of the relevant organisational unit of the university,

f) certification of having volunteered in the framework of the Volunteer Centre of the Medical University or other registered volunteering activities, specifying the time of participation,

g) certificate of work in the Management Board of Student Organisations with the duration and function specified, certified by the Supervisor of the Student Organisation, i.e. an employee of the university,

h) certificate of work in a Student Research Circle specifying the duration and function, certified by the Supervisor of the Research Circle,

i) a certificate of receipt of the Minister's Scholarship,

j) confirmation of receipt of the Mayor's Scholarship,

k) a certificate of participation in the ‘Best of the Best’ programme,

l) confirmation of receipt of the Rector's Award (scholarships awarded by the Rector are not taken into account),
m) diploma of completion of a second field of study: second-cycle or first-cycle, provided that the completion of first-cycle studies was not the basis for continuing second-cycle studies, previously included in the calculation of the grade point average,
n) diploma of completion of postgraduate studies,
o) a certificate confirming the completion of a work placement abroad, specifying the duration,
p) certificate of studies/internships under the Erasmus or Erasmus+ programme, indicating the duration,
q) confirmed participation in the organisational or scientific committee of a conference,
r) certification of the result of the Medical Final Examination or the Medical and Dental Final Examination – applies to persons who obtained 90% and more correct answers in the examinations,
s) a certificate from the appropriate Dean’s Office confirming the distinction of the Master’s degree thesis.

2. Failure to submit the documents specified in paragraph 1 item 1 results in leaving the application for admission to the Doctoral School of the Medical University of Lublin unprocessed and in the applicant’s exclusion from further admission proceedings.
3. An application for admission to the Doctoral School of the Medical University of Lublin, together with the documents specified in paragraphs 1 and 2, submitted after the deadline is left unprocessed, regardless of the reasons for the failure to meet the deadline for the submission of the application/documents. The date of submission of the application together with the appendices is considered to be the date on which the documents are received by the Medical University of Lublin.

4. Documents in a language other than Polish or English must be translated by a sworn translator.
5. The candidate also attaches a list of submitted documents.

§ 9

1. Candidates are assessed according to the following scoring system:
   1) Evaluation of the research project: 0 – 20 points
      evaluated according to the Project Evaluation Criteria (Appendix No. 5)
      on the Research Project Evaluation Sheet (Appendix No. 6):
      a) the research project is evaluated by 2 reviewers appointed by the Admission Committee, and the final score is determined based on the average of the scores,
      b) if the difference in the scores of individual reviewers is at least 10 points, the Chairperson of the admission Committee shall appoint the third reviewer, whose score shall be included in the average score,
   2) project feasibility potential: 0 – 9 points - calculated on the basis of:
      a) achievements of the candidate for the supervisor for the last 5 years, including:
         - - total IF points index for original works (0 – 3 points), including:
           -- up to 10.00 IF – 1 point,
           -- from 10.001 to 20.00 IF – 2 points,
           -- above 20.00 IF – 3 points,
         - - grants and other projects (funded from external sources) – (0 –3 points), including:
           -- manager - 3 points,
           -- staff member – 1 point
      b) patents – (0 – 3 points), including:
         - patent application – 1 point,
         - patents – 3 points,

3) interview – assessment of knowledge in the field, including an assessment of the ability to conduct discussions and formulate opinions on the research project area: preparation of a project presentation (Appendix No. 20) and its presentation (0 points – maximum 14 points, assessment is made according to the Criteria for the assessment of the presentation and interview (Appendix No. 7), on the Presentation and Interview Evaluation Sheet (Appendix No. 8)):
   a) preparation and delivery of the presentation: 0 – 5 points,
   b) discussion: 0 – 5 points,
   c) interview in English – additional 4 points, including:
      – preparation and delivery of the presentation: 0 – 2 points,
      – discussion: 0 – 2 points;
4) Average grade from the course of study*:

Arithmetic mean of all grades obtained during the course of study	Rules for awarding points	Number of points awarded
	<4.00	0
	4.00-4.20	1
	4.21-4.40	3
	4.41-4.60	5
	4.61-4.80	8
	4.81-5.00	10

   * the grade average is understood as the arithmetic mean from the course of study of the arithmetic means counted to 2 decimal places (not including the grade for the defence of the Master's degree thesis);
5) diploma:
   a) with a very good grade – 1 point,
   b) with a distinction or a 'Primus Inter Pares' diploma – 2 points;
6) publications of the candidate for doctoral studies in journals listed in the registers of the minister responsible for science, taking into account the journal's score and the order of authorship. The 4 best publications are

scored, including chapters in monographs – the candidate indicates the 4 best publications for evaluation

Scoring by the Ministry of Science and Higher Education (MNiSW) / Ministry of Education and Science (MEiN) (until 2018/from 2019) for publications in journals with IF						
Journal scoring/order of authorship	15/20 points	20/40 points	25/70 points	30/100 points	35-40/140 points	45-50/200 points
First	3	4	6	8	12	20
Second	2	3	4	6	9	12
Third	1.5	2	3	4	5	6

Scoring by the Ministry of Science and Higher Education (MNiSW)/ Ministry of Education and Science (MEiN) (until 2018/from 2019) for publications in journals with IF		
Journal scoring/order of authorship	≤15 / 20 points	> 15 / 20-200 points
First	1	1.5
Second	0.75	1.0
Third	0.5	0.74

7) authorship of chapters in monographs only first and second author – 1 point (maximum 2 points);
8) active participation in international conferences (maximum two posters and 2 oral presentations):
   a) first author of an oral presentation – 3 points (maximum 6 points),
   b) first author of a poster – 2 points (maximum 4 points),
   c) 2 points for distinction – 1st, 2nd or 3rd place;

9) active participation in a national conference (maximum 2 posters and 2 oral presentations):
   a) first author of an oral presentation – 2 points (maximum 4 points),
   b) first author of the poster – 1 point (maximum 2 points),
   c) 1 point for distinction – 1st, 2nd or 3rd place;
10) grants, including mini-grants for students:
   a) manager - 2 points,
   b) staff member – 1 point
11) work in the Board of the University Students' Organisation certified by the Supervisor of the Student Organisation:
   a) chairperson (minimum 1 year) - 3 points,
   b) other members of the Management Board (minimum 2 years) - 2 points,
   c) other active members of the student organisation (minimum 2 years) – 1 point;
12) work in a Student Research Circle certified by the Supervisor of the Research Circle (at least 2 years)
   a) chairperson (minimum 1 year) - 2 points,
   b) other members of the Research Circle (min. 2 years) - 1 point;
13) voluntary service of at least 1 year within the Volunteer Centre of the Medical University of Lublin or other, confirmed by an agreement on volunteering or a certificate of the voluntary service – 1 point;
14) Minister’s scholarships - 3 points;
15) Scholarship from the Mayor of the City - 2 points;
16) participation in the ‘Best of best’ programme - 2 points;
17) Rector’s awards (for each award) - 1 point;
18) second degree diploma/postgraduate studies diploma:
   a) second-cycle - 2 points,
   b) first-cycle - 1 point

provided that the completion of first-cycle studies was not the basis for continuing second-cycle studies included in the calculation of the grade point average,

c) completion of postgraduate studies lasting at least one year – 1 point;

19) Internship abroad – at least 1 month away - 1 point (maximum 2 points);
20) Studies/internship under the Erasmus or Erasmus+ programme (max. 6 points)
    a) for studies (at least 1 term) - 3 points,
    b) for internship (minimum 1 month) – 1 point;
21) participation in the organisational or scientific committee of a conference: for each confirmed participation – 1 point (maximum 2 points);
22) obtaining at least 90% of the correct answers in the Final Medical Examination/Final Medical and Dental Examination – 1 point;
23) for a distinguished master's degree thesis - 1 point

2. The Dean's Office of the Doctoral School confirms, in formal terms, the correctness of the points awarded in the admission procedure.
3. The interview shall take place on the date set for the candidate. No retakes or changes to the date shall be permitted.
4. At the candidate's request, the Chairperson of the Admission Committee may agree to conduct the interview remotely, i.e. online, provided that the online connection is established through a university or research institute where the candidate's identity can be verified and confirmed.
5. A template of the Evaluation Sheet for candidates applying to the Doctoral School of the Medical University of Lublin is provided in Appendix No. 19.

§ 10

List of appendices to the conditions and procedure for admission:

Appendix to Resolution No. 15/2025 of the Senate of the Medical University of Lublin
of 26 February 2025

1) Appendix No. 1 – Template for application for admission to the Doctoral School;
2) Appendix No. 2 – Evaluation Sheet of the Scientific Achievements of a Candidate for the Doctoral School;
3) Appendix No. 3 – Template of the title page of the research project;
4) Appendix No. 4 – Description of the research project;
5) Appendix No. 5 – Project evaluation criteria;
6) Appendix No. 6 – Research project evaluation sheet;
7) Appendix No. 7 – Presentation and interview evaluation criteria;
8) Appendix No. 8 – Presentation and interview evaluation sheet;
9) Appendix No. 9 – Consent of the candidate to perform the supervisor function;
10) Appendix No. 10 – Application to the Dean of the Doctoral School for an increase in the number of doctoral students;
11) Appendix No. 11 – Statement by the candidate for the position of supervisor confirming that there are no formal obstacles to performing the duties of a supervisor;
12) Appendix No. 12 – Statement by the candidate for the position of supervisor on the financing of the research project;
13) Appendix No. 13 – Statement by the candidate for the position of supervisor on their academic achievements;
14) Appendix No. 14 – Questionnaire on the scientific achievements of the candidate for supervisor/second supervisor/assistant supervisor;
15) Appendix No. 15 – Criteria for appointing a second supervisor;
16) Appendix No. 16 – Criteria for appointing an assistant supervisor;
17) Appendix No. 17 – List of certificates confirming B2+ language proficiency;
18) Appendix No. 18 – Certificate from the organiser of an international conference;

19) Appendix No. 19 – Template of the Evaluation Sheet for candidates applying to the Doctoral School;
20) Appendix No. 20 – Guidelines for preparing presentations.

4. Admission Committee

§ 11

1. The competition procedure is conducted by the Admission Committee appointed by the Vice-Rector for Education and Teaching at the request of the Dean of the Doctoral School of the Medical University of Lublin.
2. The Admission Committee, referred to in paragraph 1, consists of:
   1) the Vice-Dean of the Doctoral School or a member of the Doctoral School Council appointed by the Vice-Rector for Education and Teaching at the request of the Dean – the Chairperson of the Committee;
   2) 6 academic teachers in the field of medical sciences, 3 academic teachers in the field of pharmaceutical sciences and 3 academic teachers in the field of health sciences, holding the academic title of professor or a postdoctoral degree – members of the Committee

   and
   3) one member of the Doctoral School Council from each discipline – persons who are members of the Committee.

§ 12

The tasks of the admission Committee include:

1) receiving documents and making decisions on admitting a candidate to the competition procedure;
2) setting the schedule for the competition procedure;
3) conducting the competition procedure;
4) preparing minutes of the competition procedure;
5) issuing recommendations for or against a candidate’s admission to the Doctoral School.

§ 13

1. Limit of admission to education in the Doctoral School of Medical University in Lublin is established by the Rector of Medical University in Lublin by way of a Resolution.
2. The Resolution concerning the admission limit shall be announced before the date of the interview held as part of the admission process.
3. Limits are established for particular disciplines in which education is provided at the Doctoral School of Medical University of Lublin, i.e.: medical sciences, pharmaceutical sciences, health sciences.
4. The admission procedure is based on a point evaluation:
   1) score for the research project – average score x 0.8;
   2) score for the interview;
   3) score for scientific achievements (publications, grants, participation in conferences) – total points x 0.2;
   4) score for other achievements, including the achievements of the candidate for supervisor.
5. Persons who obtain the highest number of points in the course of the competition proceedings and fulfil the condition specified in paragraph 6 shall be admitted to the Doctoral School of the Medical University of Lublin.
6. Admission is conditional on the candidate placed on the ranking list providing up-to-date results of medical examinations and preventive vaccinations as specified by the Rector's Regulation No 67/2019 of 18 June 2019 on the rules for carrying out compulsory medical examinations and preventive vaccinations for candidates for studies at the Medical University of Lublin and candidates for the Doctoral School of the Medical University of Lublin and for students and doctoral students of the Medical University of Lublin.
7. The results of the competition proceedings are publicly available.

5. Medical examinations and mandatory vaccinations

§ 14

1. The Dean's Office of the Doctoral School publishes on the website for candidates a list of factors harmful, burdensome and dangerous to health, hereinafter: 'harmful factors'. Harmful factors occur during education at the Doctoral School in the following disciplines: pharmaceutical sciences, medical sciences and health sciences.
2. In the disciplines referred to in paragraph 1, a prerequisite for admission to classes or scientific research is the submission of a medical certificate stating that there are no health contraindications to pursuing education at the Doctoral School (in a given discipline) – subject to paragraph 4.
3. Candidates placed on the ranking list in the disciplines referred to in paragraph 1 shall be referred for medical examinations. The medical certificate from the examination should be submitted before the start of classes or scientific research during which harmful factors occur, but no later than by 15 November.
4. The University strives to enable the widest possible group of people to undertake education at the Doctoral School, in particular by eliminating or limiting harmful factors in individual cases.
5. A candidate who submits a medical certificate stating that there are health contraindications to studying at the Doctoral School (in a given discipline) may exercise the right to request the elimination or reduction of harmful factors. If the harmful factors are reduced, the candidate is re-referred for medical examinations regarding only those reduced harmful factors.
6. If it is not possible to limit or eliminate harmful factors, or if, despite their limitation, the candidate submits a medical certificate stating that there are health contraindications to studying at the Doctoral School (in a given discipline), the Dean of the Doctoral School shall decide to remove that person from the list of doctoral students.

7. In the following disciplines: pharmaceutical sciences, medical sciences, health sciences, the condition for admitting a student of the Doctoral School to practical classes, internship or clinical classes is to undergo mandatory protective vaccinations against hepatitis B, hereinafter referred to as 'protective vaccinations'.
8. Candidates placed on the ranking list in the disciplines referred to in paragraph 7 shall receive a referral for protective vaccinations, subject to paragraph 9.
9. Persons who have previously undergone protective vaccination and have documentation confirming this fact are exempt from the vaccination, provided that a period not longer than the period of maintaining immunity has passed since the vaccination.
10. A copy of the confirmation of undergoing the protective vaccinations referred to in paragraphs 7 and 9, should be submitted before the start of practical classes, traineeship or clinical classes, but not later than by 15 November.

6. Rules of acceptance within available limits

§ 15

1. If the number of applicants is greater than the set limit, the Doctoral School accepts the persons who obtain the highest number of points in the course of the competition procedure, until the limit of admissions to individual disciplines is exhausted.
2. In the case referred to in paragraph 1, when 2 or more persons obtain an equal number of points entitling them to be admitted to the Doctoral School, the greater number of points obtained as a result of the research project evaluation is used to decide about the admission.
3. In the case referred to in paragraph. 2, when 2 or more persons obtain an equal number of points entitling them to be admitted to the Doctoral School and an equal number of points obtained from the research project

evaluation, admission to the Doctoral School is based on the average of the grades from the studies.

§ 16

1. In the event that the number of applicants is less than the established limit of places for each discipline, all persons who obtain the number of points specified in § 5 paragraph 3 are admitted to study at the Doctoral School.
2. If the limit of places in the Doctoral School of the Medical University of Lublin in the scope of a given discipline is not exhausted and the number of candidates in other disciplines is greater than the limit of places for these disciplines, then the unused places are included in the pool of places available for candidates in other disciplines and are separated on the basis of a ranking list.
3. In the event that, after the procedure of admission to the Doctoral School, the limit of places is not exhausted, the University may conduct a supplementary admission, at a date announced on the University’s website.

§ 17

1. Admission to the Doctoral School is effected by entry on the list of doctoral students. The list is approved by the Dean of the Doctoral School.
2. At the candidate's request, the Dean of the Doctoral School issues a certificate of entry on the list of doctoral students.
3. The decision to refuse admission to the Doctoral School of the Medical University of Lublin is issued on behalf of the Rector by the Dean by way of an administrative decision, based on an appropriate authorisation.
4. The decision referred to in paragraph 3 may be appealed for reconsideration, which should be submitted to the Rector within 14 days of the date of delivery of the decision. The decision of the Rector is final.

7. Candidates with special health needs, including candidates with disabilities

§ 18

1. The University provides people with special health needs, including candidates with disabilities, conditions for full participation in the life of the University and the academic community, including admission to the Doctoral School and studying at the Doctoral School.
2. Support and coordination of activities for persons with special needs resulting from their health condition, including persons with disabilities, shall be provided in accordance with the procedure and rules set out in the Support Regulations [https://bip.umlub.pl/wewnetrzne-akty-prawne/zarzadzenia-rektora-um/dokument,7143,zarzadzenie-rektora.html].
3. The admission Committee and the Doctoral School Dean's Office are responsible for providing support in the field of admission. The Rector's Representative for Students with Disabilities coordinates support activities.
4. A candidate with special health needs, including a candidate with a disability, if justified by their special needs, is entitled to rights and services, including:
   1) ensuring the accessibility of the form of the interview, including ensuring the equivalence of the form and objectivity of the evaluation;
   2) ensuring the accessibility of the place of the interview, such as:
      a) architectural accessibility of the building where the interview takes place,
      b) accessibility of the surroundings of the place where the interview takes place (this applies at least to: the room where the interview takes place, toilets, cloakrooms, access to the building, car park);
   3) ensuring the accessibility of conditions and the proper organisation of the interview, such as:

a) an appropriate sound system, a quiet room for interviews, equipped with an induction loop or other solutions supporting hearing,
b) adequate lighting,
c) limiting factors negatively affecting the candidate during the interview (for example: noise level, number of people in the room),
d) a sufficiently long duration of the interview, including a longer time for: giving a written or oral answer, preparing for an oral answer, and the like;
e) ensuring the digital availability of the interview in a remote form, i.e. 'online';
f) providing a teaching assistant;
g) providing a sign language interpreter or lipspeaker.

5. The Dean of the Doctoral School shall ensure or support the performance of the granted rights and services.
6. Applications of a candidate with special needs, including a candidate with a disability, submitted to the Doctoral School Dean's Office, referring to the state of health - are considered in cooperation with the Rector's Representative for Students with Disabilities.
7. Medical documentation, certificates and the like are included in the documentation of the Rector's Representative for Students with Disabilities and are not included in the documentation of the admission procedure.
8. Detailed information for candidates with special needs resulting from their health condition, including candidates with disabilities, concerning, for example, admission, is provided in the 'Guide for Candidates with Disabilities' (available in Polish) [https://umlub.pl/gfx/umlub/userfiles/_public/menu_uczelnia/struktura_organizacyjna/pelnomocnik_ds_stud_niepelnospr/niezbednik._poradnik_dla_osob_z_niepelnosprawnosciami_ksztalcacych_sie_na_uniwersytecie_medycznym_w_lublinie.pdf], on the website for candidates to the Doctoral School [https://szkoladoktorska.umlub.pl/rekrutacja/], as well as on the website of

the Representative of the Rector for Students with Disabilities [https://umlub.pl/uczelnia/struktura-organizacyjna/szczegoly,1055.html].

8. Final Provisions

§ 19

A detailed schedule specifying the dates of the competition procedure, including the submission of documents referred to in § 8, and the results of the competition procedure are announced on the website of the Medical University of Lublin.

Appendix No. 1

Application

I apply for admission to the Doctoral School of the Medical University of Lublin in the academic year 20...../20.....,
in the field of medical sciences and health sciences:

- scientific discipline: pharmaceutical sciences*
- scientific discipline: medical sciences*
- scientific discipline: health sciences*

* *delete as appropriate*

The technical/scientific supervisor of the research project (potential supervisor) will be:

……
…….

Candidate

1. Last name:..... First name/names: .....

2. Date and place of birth: date __ __ month __ __ year __ __ __ __
city.....
province.....country .....
citizenship ……..
country of origin…….
type of identity document…….
ID document number ……
country of issue of the identity document
.....
.....

3. PESEL (POLISH NATIONAL IDENTIFICATION NUMBER) _ _ _ _ _ _ _ _ _ _ _

4. Mother's first name: ..... Father's first name: .....

Appendix No. 1

5. Permanent residence address: zip code__ __ - __ __ __
city.....
street name ..... house number ..... province .....
county .....
6. Correspondence address: zip code __ __ - __ ___
city.....
street name ..... house number ..... province .....
county .....
7. Telephone number
.....
8. E-mail .....

The data included in the registration form is provided on a voluntary basis. I am aware that providing my data and participating in the qualification process for studies is dependent on my decision, and that failure to provide my data shall prevent me from participating in the admission process for studies. I have been informed of the intended form and scope of the processing of my data, and that I have the right to withdraw from participation in the admission process at any time.

Information on the processing of personal data

The controller of personal data collected in the course of the admission process, and in the case of qualifying to the Doctoral School also in the course of the educational process, is the Medical University of Lublin, with its registered office at Al. Racławickich 1, 20-059 Lublin.

The University processes personal data for the purposes of the admission process to the Doctoral School and, in the event of qualification, for documenting the course of education, as well as for statutory, archival and statistical purposes, and for the purpose of pursuing claims in situations provided for by law.

Appendix No. 1

Providing data is voluntary; however, it is necessary for the purposes for which it was collected. The basis for the processing of personal data of candidates for the Doctoral School is the Act of 20 July 2018 on Higher Education and Science.

The data will be processed only for the periods necessary for the achievement of the aforementioned purposes, as well as for the period necessary to clarify any doubts and possible claims related to the implementation of the data processing in question, for the period provided for by legal regulations and internal legal acts in force at the University.

The processed data shall not be sold or made available to external entities, except for entities authorised by law, including those with which the University concludes relevant agreements, e.g. in connection with the use of external services, including IT services.

Every candidate, and in the case of qualification, every person participating in education at the Doctoral School whose data is processed, has the right to access their data, rectify it, transfer it, obtain a copy of it, and also has the right to lodge a complaint with the supervisory authority and pursue their rights through court proceedings. In cases provided for by law, they may exercise their right to restrict data processing, and in the event of participation in voluntary initiatives requiring the student's consent during their education at the Doctoral School, they are entitled to withdraw their consent, request the deletion of data or object to its processing.

The processed data will not be used for any purposes other than those indicated above, it shall not be subject to profiling, nor shall any automated decisions be made based on it.

The controller has appointed a person to supervise the correctness of the processing of personal data, who can be contacted at: iod@umlub.pl.

If you are interested in receiving information about activities related to events and initiatives undertaken by the University after the admission process, please mark the consents below, according to your will. The

expression of consents is voluntary, you have the right to revoke them at any time, which, however, will not affect the legality of data processing before the withdrawal of consent. The data will not be used for any other purpose than that indicated in the consent, it will be processed during the period of validity of the consents, until you revoke them or object to the data being processed. All information regarding data processing is included in the information clause on personal data processing.

☐ *I give my consent*

to the processing of my data contained in the form
after the admission process for purposes related
to marketing and information activities by the Medical University of Lublin with its registered office at
Al. Racławickie 1, 20-059 Lublin.

☐ *I give my consent*

to sending unsolicited information, including commercial information, by the Medical University of Lublin with its registered office at Aleje Racławickie 1, 20-059 Lublin to the mailbox indicated by me in accordance with the Act on the provision of electronic services.

☐ *I give my consent*

for the Medical University of Lublin with its registered office at Aleje Racławickie 1, 20-059 Lublin to provide me with marketing information through the use of telecommunication terminal equipment, in particular with the use of the telephone number indicated, in accordance with the Act on Telecommunications Law.

……..

date and legible signature of the candidate

Appendix No. 2

Evaluation Sheet of the Scientific Achievements of a Candidate for the Doctoral School

……
Last name and first name(s)

I declare that I am the author/co-author of the following publications:

I. Publications in journals listed in the Ministry of Science and Higher Education (MNiSW) lists, prepared in accordance with the provisions issued on the basis of Article 267 paragraph 2 item 2 of the Law on Higher Education and Science.

Item	Bibliographic description	Author's position in order			MNiSW	Point
		1	2	3		
1.						
2.						
3.						
4.						
5.						
In total						

II. Other full-text scientific publications, including chapters in monographs

Item	Bibliographic description	Author's position in order		Point
		1	2	
1.				
2.				
3.				
4.				
5.				
In total				

Appendix No. 2

III. Sum of points from table I and II

Sum of points from table I and II	

Note: The white part is filled in by the Candidate, the grey part is filled in by an employee of the Medical University of Lublin

.....……..…
Date and signature of the Candidate

.....…….……
Date and signature of the Director of the Library of the Medical University

Appendix No. 3

Lublin, on ……

TITLE PAGE OF THE RESEARCH PROJECT

OF THE CANDIDATE TO THE DOCTORAL SCHOOL

……

(professional title, first name and last name of the candidate)

……..

(scientific degree/scientific title, first name and last name of the Supervisor)

Title of the research project

……

……

……

……..

…….. ……..

(signature of the candidate) (stamp and signature of the supervisor)

…….

(stamp and signature of the Head of the Organisational

Unit employing the supervisor candidate)

Appendix No. 4

DESCRIPTION OF THE RESEARCH PROJECT

OF THE CANDIDATE TO THE DOCTORAL SCHOOL

- in Polish or English

- no less than 3 pages and no more than 5 pages

- according to the following layout, <u>please maintain the order of points</u>

- in the project description, please take into account the criteria for the substantive evaluation of the research project contained in Appendix 5 (project evaluation criteria_2025/2026)

a. project title:

---

b. project summary:

---

c. literature overview:

---

d. purpose of the work and research problems:

---

e. research methodology:

---

f. innovative nature of the project:

---

g. connection between the project topic and the supervisor's activities:

---

h. preliminary research:

---

i. estimated project implementation costs:

---

j. data management plan:

Appendix No. 5

Project evaluation criteria

1) Knowledge of subject literature
    a. The candidate indicates the most recent and influential publications (yes – 1, no – 0)
    b. The candidate presents available, current scientific research from the last 10 years related to the area of planned research (yes – 1, no – 0)
    c. The candidate critically evaluates reports from the available literature, including indicating gaps in research in the area of the planned project (yes – 1, no – 0)
    d. The candidate presents arguments for the proposed project based on an overview of the international literature (yes – 1, no – 0)
2) Purpose of the work and research problems
    a. The candidate clearly defines the purpose of the project (yes – 1, no – 0)
    b. The candidate justifies the necessity of undertaking the proposed research (yes – 1, no – 0)
    c. The candidate correctly formulates research questions/problems (yes – 1, no – 0)
    a. The candidate presents a work schedule and proposes the stages of research (yes – 1, no – 0)
3) Methodology
    a. The candidate correctly describes the research material/sample selection, criteria for inclusion in and exclusion from the research (yes – 1, no – 0)
    b. The candidate describes the proposed research methods in detail (yes – 1, no – 0)
    c. The candidate presents the validity of the proposed methods and whether they are adequate to answer the research questions/problems (yes – 1, no – 0)
    d. The candidate describes and justifies the choice of data collection and analysis methods (yes – 1, no – 0)
4) Research methodology
    a. The project is innovative and indicates innovative solutions to existing problems (yes – 1, no – 0)
    b. The project has the potential to fill existing gaps in the field/contribute new solutions and knowledge to the field (yes – 1, no – 0)
5) Level of innovation of the project
    a. The results of the research have potential for application in practical terms (yes – 1, no – 0)
    b. Whether there is a potential possibility for implementing the research results in various contexts (yes – 1, no – 0)

c. The research results shall contribute to the development of the scientific discipline and have an opportunity to be published (yes – 1, no – 0)

6) Applicability of the project

a. The project can be implemented within the proposed time frame and with the planned resources (yes – 1, no – 0)

b. The applicant indicates potential difficulties and proposes alternative solutions (yes – 1, no – 0)

c. The applicant has prepared a proper data management plan (yes – 1, no – 0)

Appendix No. 6

Research Project Evaluation Sheet for Candidates Applying to the Doctoral School of the Medical University of Lublin

Candidate:

……

Topic proposal:

……

……

……

I. Substantive evaluation of the research project:

1) Current state of knowledge in the context of the proposed project and justification for the choice of topic	0-4 points	
2) Objectives of the work and research problems/research questions	0-4 points	
3) Methodology of scientific research	0-4 points	
4) Research methodology	0-2 points	
5) Level of innovation of the project	0-3 points	
6) Applicability of the project	0-3 points	
Number of points (max. 20 points)		

Project score: …… points

……

Reviewer's signature

Appendix No. 7

Presentation and interview evaluation criteria

The interview may last **up to 15 minutes** and consists of two parts: **a multimedia presentation prepared by the candidate and a discussion with the committee.** A maximum of 10 points can be obtained: 5 points for the project presentation and 5 points for the discussion. Candidates may receive **an additional 4 points** for the presentation and discussion in English (2 points for preparing and delivering the presentation in English and 2 points for the discussion in English).

1. Evaluation of the multimedia presentation of the project (maximum 5 points)

The multimedia presentation must be prepared in Polish or English and may not exceed 5 minutes. After this time, the committee will interrupt the presentation. The candidate may present a maximum of 6 slides, and the presentation should be consistent with the template (Appendix No. 20 – Guidelines for preparing a presentation – template).

The presentation should include the following elements:
- Project title
- Justification of the choice of topic with a brief introduction, an outline of current knowledge in the field
- Purpose of the work and research problems
- Methodology
- General outline of the project implementation schedule
- Expected research results and their practical application
- References

Criterion	Additional information	Number of points
Evaluation of the visual aspects of the presentation	Evaluation of the aesthetics, legibility and consistency of the presentation and appropriate division of the	0-1 points

	presentation into slides (in accordance with the template provided)	
Time management	Evaluation of the appropriate time allocation between the issues discussed	0-1 points
Substantive content and logical justification of the choice of topic		0-1 points
Methodology	Substantive and logical justification of the choice of topic	0-1 points
Consistency between the project topic, purpose and research problems, methodology, schedule and expected results		0-1 points
Presentation in English		0-2 points

Appendix No. 7

2. Evaluation of the discussion with the committee (maximum 5 points)

The discussion with the committee, aimed at verifying the candidate's knowledge, lasts up to 10 minutes. A maximum of 5 points can be obtained for the discussion.

Criterion	Examples of questions	Number of points
Critical evaluation of your project, including evaluation of threats to the project	'What do you consider to be the most significant drawbacks of your project?' 'What is the most significant limitation of your research?' 'What do you see as the greatest threats?' 'What is the most significant challenge in carrying out the project?' 'What would you do if... the COVID pandemic broke out again/you gathered a smaller research group/...'	0-1 points
Knowledge of the field in which the candidate plans to conduct research	Questions relevant to the field: Universal: 'What has been your experience in the chosen field so far?' 'What interests you most about field X?'	0-1 points
Discussion of potential practical applications of the research results	'How could the results of the project change the guidelines used so far?' 'How would the results of the research affect patients?' 'How could the results of your research change my life?'	0-1 points
Innovative nature of the project	'What is innovative about the project?' 'What do you consider to be the greatest breakthrough in your project	0-1 points

Appendix No. 7

	compared to the research already conducted?’	
Communication skills	Evaluation of the soft skills of the doctoral student candidate	0-1 points
Interview in English		0-2 points

Appendix No. 8

Presentation and Interview Evaluation Sheet for Candidates Applying
to the Doctoral School of the Medical University of Lublin

Candidate:

…….

Topic proposal:

……

……

I. Presentation of the project in the form of a multimedia presentation:

1) Evaluation of the visual aspects of the presentation	0–1 points	
2) Time management	0–1 points	
3) Substantive content and logical justification of the choice of topic	0–1 points	
4) Methodology	0–1 points	
5) Consistency between the project topic, purpose and research problems, methodology, schedule and expected results	0–1 points	
Number of points (max. 5 points)		

II. Evaluation of the interview (discussion) with the Committee:

1) Critical evaluation of your project, including evaluation of threats to the project	0–1 points	
2) Knowledge of the field in which the candidate plans to conduct research	0–1 points	
3) Discussion of potential practical applications of the research results	0–1 points	
4) Evaluation of the innovative nature of the project	0–1 points	
5) Evaluation of communication skills	0–1 points	
Number of points (max. 5 points)		

Appendix No. 8

II c. Additional points for a presentation in English:

1) Preparation and presentation of a multimedia presentation	0–2 points	
2) Discussion	0–2 points	
Number of points (max. 4 points)		

Score obtained in the interview: …… points

…….

Signature of the person chairing the Committee

Appendix No. 9

Consent of the candidate to perform the supervisor function

I agree to assume the duties of a substantive mentor / potential supervisor of the doctoral dissertation of Mr./Ms....., who applies for admission to the Doctoral School of the Medical University of Lublin in the academic year 2025/2026 as part of:

- an externally funded project with the intended participation of doctoral students*
  or
- an internally financed project with the expected participation of doctoral students*

* delete as appropriate

I declare that, taking into account the above-mentioned candidacy, the number of students enrolled in the Doctoral School as of 1 October 2025 under my academic supervision shall not exceed 3 people**, provided that this number does not include those whose research project is financed from external funds providing for the participation of people studying at the Doctoral School.

**if the number of people (excluding grants) exceeds 3, the consent of the Dean of the Doctoral School in Lublin (Appendix No. 10) must be obtained

Lublin, on .....

…….

Stamp and signature of the substantive supervisor/potential supervisor

……..

Stamp and signature of the Head of the Department/Clinic/Facility

Appendix No. 10

Application to the Dean of the Doctoral School of the Medical University of Lublin

I am asking for the possibility of acting as a potential supervisor in relation to the candidate.

Mr./Ms. ……..

I am currently the academic advisor/supervisor of …….. students enrolled
at the Doctoral School (total):

1. ……. –
   ……
   (first name and last name of the doctoral student) (source of project financing)

2. ……. –
   ……..
   (first name and last name of the doctoral student) (source of project financing)

3. ……. –
   ……..
   (first name and last name of the doctoral student) (source of project financing)

4. ……. –
   ……..
   (first name and last name of the doctoral student) (source of project financing)

5. ……. –
   ……..
   (first name and last name of the doctoral student) (source of project financing)

.....

Stamp and signature of the potential supervisor

Decision of the Dean of the Doctoral School of the Medical University of Lublin

I give my consent/I do not give my consent**
to increase the number of people studying at the Doctoral School under the substantive supervision of Mr./Ms.

……. in the academic year 2025/2026.

.....
Dean of the Doctoral School
of the Medical University of Lublin

** delete as appropriate

Appendix No. 11

Statement by the candidate for supervisor confirming that there are no formal obstacles to performing the function of supervisor

I, the undersigned,
aware of the criminal liability under Article 233 § 1 of the Criminal Code, which provides for imprisonment of between 6 months and 8 years for making false statements, hereby declare that:

- in the last 5 years I have not served as a supervisor for at least 4 doctoral students who were removed from the list of doctoral students due to a negative mid-term evaluation,
- within the last 5 years I did not supervise a dissertation prepared by at least 2 applicants for a doctoral degree who did not obtain positive reviews,
- I have not exceeded the permissible number of doctoral students under my supervision (if the candidate for supervisor has obtained the individual consent of the Dean of the Doctoral School to increase the number of doctoral students under their supervision, this consent must be attached – Appendix No. 10)

.....

date and legible signature of the candidate for the supervisor

Appendix No. 12

Statement by the Project/Internal Grant Manager (DS)

I, the undersigned,
aware of the criminal liability under Article 233 § 1 of the Criminal Code, which provides for imprisonment of between 6 months and 8 years for making false statements, hereby declare that:

- the project financed from internal funds (DS) or other scientific and research grant provides for the participation of doctoral students

- in the number of:

……

- source of financing:

……
(project/internal grant number/ DS number)

.....
date and legible signature of the person who is the project/grant manager/DS

Appendix No. 13

Statement of the candidate for supervisor on their achievements over the last 5 years

I, the undersigned,
aware of the criminal liability under Article 233 § 1 of the Criminal Code, which provides for imprisonment of between 6 months and 8 years for making false statements, hereby declare that:

- the total number of IF points for original papers is:
……..,
- grants awarded (financed from external sources, e.g. the National Science Centre/National Centre for Research and Development/under the Erasmus+ programme/other grants):
……
……..
……
- obtained patents:
……
……
……

.....
date and legible signature of the candidate for the supervisor

Appendix No. 14

Questionnaire on the scientific achievements of the candidate for supervisor/second supervisor/assistant supervisor

First name and last name of the candidate for supervisor:

ORCID:

Organisational unit:

1. Brief description of scientific activity (research topics) (max. 300 words):

2. Information on scientific and artistic achievements:
   a. number of publications according to the Scopus database,
   b. Hirsch index,
   c. list of most important publications (max. 10), including articles, monographs and chapters in monographs;

3. Information on academic supervision, including:
   a. number of Master's degree theses supervised,
   b. number of doctoral dissertations supervised,
   c. number of doctoral students promoted,
   d. experience as an assistant supervisor;

4. Information on experience in teamwork, including:
   a. experience in managing a research team and/or working in such a team,
   b. management of research groups;

5. Information on mobility activities, including:
   a. professional experience gained outside the university,
   b. experience in mobility programmes;

6. Information on activities in the field of research management, including:
   a. management of externally funded research projects,

b. experience in scientific project management,
c. experience in research, research and development, and other projects;

7. Information on activities in the field of applied research and partnership with industry, including:
   a. Patents,
   b. patent applications,
   c. other intellectual property rights;

8. Information on popular science activities, including:
   a. popular science, technical and other publications,
   b. experience in promoting scientific awareness;

9. Information on teaching experience, including:
   a. experience in conducting classes,
   b. experience in preparing teaching materials,
   c. preparation of textbooks and lecture notes,
   d. awards or distinctions for teaching achievements;

10. Information on organisational activities, including:
    a. experience in organising and managing scientific and/or teaching activities;

Appendix No. 15

Criteria for appointing a second supervisor

1. A second supervisor shall be appointed in the case of doctoral studies conducted jointly with:
    - another university,
    - an institute of the Polish Academy of Sciences,
    - a research institute,
    - an international institute,
    - a foreign entity authorised to award doctoral degrees in the discipline in which the degree is awarded

    or in the case of interdisciplinary research (supervisors represent a different scientific discipline) or inter-professional research (supervisors represent a different specialisation).
2. Justification for appointing a second supervisor, indicating the division of responsibilities between the supervisors.
3. The second supervisor must have academic achievements in the field of research undertaken by the doctoral student (a similar questionnaire as in the case of an assistant supervisor; I think we should also ask supervisors to complete such a questionnaire, as currently we only take into account the list of publications).
4. The proposal to appoint a second supervisor must be taken into account at the stage of preparing the doctoral dissertation proposal.
5. The second supervisor is appointed at the same meeting at which the resolution on the appointment of the first supervisor is adopted, provided that in justified cases the appointment of the second supervisor at a later date than the main supervisor shall be considered on a case-by-case basis.
6. There must be no conflict of interest between the doctoral student and the second supervisor. The doctoral student and the second supervisor may not:
    - live in the same household;
    - be related to each other by kinship, affinity up to the second degree, or be in a relationship of adoption, guardianship or custody.

In accordance with the Act:

1. The supervisor may be a person holding at least a postdoctoral degree.
2. A supervisor may be a person who does not meet the conditions specified in paragraph 4, who is an employee of a foreign university or scientific institution, if the body referred to in Article 178 paragraph 1 considers that this person has significant achievements in the scientific issues covered by the doctoral dissertation.
3. The supervisor cannot be a person who in the last 5 years:
   a. was the supervisor of 4 Doctoral Students who were removed from the list of Doctoral Students due to a negative result in the mid-term evaluation, or
   b. supervised the preparation of a dissertation by at least 2 persons applying for a doctoral degree who did not obtain positive reviews referred to in Article 191 paragraph 1.

Appendix No. 16

Criteria for appointing an assistant supervisor

1. An assistant supervisor may only be a person whose scientific and research interests are consistent with the subject matter of a doctoral dissertation, who holds at least a doctoral degree and who has proven scientific achievements in the subject area of the doctoral dissertation. Furthermore, candidates for assistant supervisors should have at least three years of work experience in a scientific research unit after obtaining their doctoral degree.
    - It is necessary to provide a description of the scientific and research interests of the candidate for assistant supervisor, together with a list of publications in the subject area of the doctoral dissertation and other achievements (project/grant manager or staff member, patents, internships, etc.).
2. Justification for appointing an assistant supervisor, indicating the division of responsibilities between supervisors.
    - The justification should include information on:
        1) what responsibilities (teaching, organisational or other) prevent the main supervisor from providing comprehensive supervision of the doctoral student;
        2) what scientific tasks are to be supervised by the assistant supervisor, together with justification why such tasks are to be entrusted to the assistant supervisor and why they cannot be supervised by the main supervisor;
    - The proposal to appoint an assistant supervisor must be taken into account at the stage of preparing the doctoral dissertation. It is not permissible to appoint an assistant supervisor later than the main supervisor.

      The assistant supervisor is appointed at the same meeting at which the resolution on the appointment of the main supervisor is adopted, provided that in justified cases the appointment of an assistant supervisor at a later date than the main supervisor shall be considered on a case-by-case basis.

3. An assistant supervisor may be dismissed by the Doctoral School Council at any stage of the doctoral dissertation process on the basis of a written application (from the supervisor, assistant supervisor or doctoral student) addressed to the Chairperson of the Doctoral School Council. If the supervisor ceases to perform their duties, the Doctoral School Council dismisses the assistant supervisor on the basis of an application submitted by the doctoral student to the Chairperson of the Doctoral School Council.
4. An assistant supervisor may supervise no more than two doctoral students.
5. The supervisor of the doctoral dissertation is obliged to prepare and deliver to the Chairperson of the Doctoral School Council a written assessment of the assistant supervisor's performance of the tasks entrusted to them. Such an assessment shall be required before the doctoral student is issued with a certificate of the 8th level of the Polish Qualifications Framework. Written confirmation by the supervisor that the assistant supervisor has fulfilled the tasks entrusted to him/her shall be subject to review by the Doctoral School Council. A positive opinion from the Doctoral School Council shall constitute grounds for including information about the assistant supervisor on the title page of the doctoral dissertation and for payment of the remuneration due.
6. There must be no conflict of interest between the doctoral student and the assistant supervisor. The doctoral student and the assistant supervisor may not:
    - live in the same household;
    - be related to each other by kinship, affinity up to the second degree, or be in a relationship of adoption, guardianship or custody.

Appendix No. 17

List of certificates confirming B2+ language proficiency (required in the admission process to the Doctoral School of the Medical University of Lublin):

1. **Cambridge English: First (FCE)** – grade A or B
2. **Cambridge English (Advanced)** with any positive grade (A, B, C)
3. **Cambridge English (Proficiency)** with any positive grade (A, B, C)
4. **IELTS (5.5-6.5) –** a result in this range is often considered B2+, although 6.5 is sometimes classified as low C1.
5. **TOEFL iBT (72-94 points)** – a result within this range may also correspond to level B2+.
6. **PTE Academic (59-75 points)** – a result within this range may indicate level B2+.

Appendix No. 18

……

Place and date

CERTIFICATE

OF THE ORGANISER OF THE INTERNATIONAL CONFERENCE

held in Poland

Name of the conference:	
Date and place of the conference:	
Name of the organiser:	
Number of conference participants:	
Number of participants presenting papers, representing foreign research centres:	
Percentage of papers presented by individuals from foreign research centres:	
Number of research units the representatives of which participated in the conference:	

……

Stamp and signature of the Chairperson of the organising committee

Appendix No. 19

Candidate Evaluation Sheet for Admission to the Doctoral School of the Medical University of Lublin

Last name and first name:

……

Medical University of Lublin unit:

……

……

Item	Achievements	Score	Result
1.	Research project (according to the evaluation sheet attached as Appendix 6 – taking into account the average of the grades)	0 – 20 points average of grades x 0.8	
2.	The feasibility of the project is calculated on the basis of: a) achievements of the candidate for the supervisor for the last 5 years, including: - total IF points index for original works (0 – 3 points) - grants and other projects (funded from external sources) (0 – 3 points) b) patents (0 – 3 points)	0 – 9 points	
3.	Interview on knowledge in the area of the discipline (according to the evaluation sheet Appendix No. 8)	0 – 14 points	
4.	Average grade from studies: according to the conversion factor specified in the regulations §9 paragraph 1 point 4	0 – 10 points	
5.	Diploma:	1 point	

	1) with a very good grade 2) with distinction or 'Primus Inter Pares'	2 points	
6.	Publications in journals listed in the registers of the minister responsible for science, taking into account the journal's score and the order of authorship; The scores of journals indicated in the above-mentioned register shall be assigned to articles depending on the year of their publication: according to the conversion factor from § 9 paragraph 1 point 6 of the regulations.	1st author – 50% 2nd author – 50% 3rd author – 50% Sum of points for publications x 0.2	
7.	Authorship of chapters in monographs (max. 2 points)	1st author – 50% 2nd author – 50% Total points for the chapter x 0.2	
8.	Active participation in international conferences (only first author): according to the conversion rate in § 9, paragraph 1, point 9	2 oral presentations at most and 2 posters at most Total points for presentations and posters x 0.2	
9.	Active participation in national conferences (only the first author): according to the conversion rate in § 9, paragraph 1, point 10	2 oral presentations at most and 2 posters at most Total points for presentations and posters x 0.2	
10.	Grants, including mini-grants for students	Manager – 2 points Staff member – 1 point Total points for grant x 0.2	
11.	Work for the University - in the Board of the University Students' Organisation	according to the activity	
12.	Work in a student research circle (at least 2 years)	according to the activity	

Appendix No. 19

13.	Volunteer service at the Volunteer Centre of the Medical University of Lublin or other contractual agreement or certificate of volunteering (at least 1 year)	1 point	
14.	Minister’s scholarship	3 points	
15.	Scholarship from the Mayor of the City	2 points	
16.	Participant of the ‘Best of the best’ [’Najlepsi z najlepszych’] project	2 points	
17.	Rector’s awards (for each award)	1 point	
18.	Second degree diploma	1) at the Master’s level – 2 points 2) at the Bachelor’s level – 1 point (unless the bachelor's degree was the basis for continuing master's degree studies, which are indicated for the scoring)	
19.	Internship abroad at least 1 month of stay	1 point (max. 2 points)	
20.	Study/internship under the Erasmus or Erasmus+ programme (max. 6 points)	for studies – 3 points (at least 1 term) for internship – 1 point (min. 1 month)	
21.	Participation in the organisational or scientific committee of a conference – for each participation confirmed by the official conference programme	1 point (max. 2 times)	
22.	Passing the LEK, LDEK examination with at least 90% correct answers	1 point	
23.	For a distinguished master’s degree thesis	1 point	

Appendix No. 19

Total score:	

* in case of no publications registered in the Medical University of Lublin Staff Publications Database

Slide 1: Title

First name and last name of the candidate
First name and last name of the supervisor
Affiliation

Slide 2: Brief introduction, current state of knowledge

Slide 3: Purpose of the work and research problems

Slide 4: Methodology

Slide 5: Project implementation schedule

Slide 6: Expected results and their use in practical terms

Slide 7: Literature overview (no more than 10 key publications)

List of attachments concerning mid-term evaluation:

1. Summary of provisions of the Doctoral School Regulations concerning mid-term evaluation (October 1, 2019–September 30, 2025)
2. Rules for appointing members of the Mid-Term Evaluation Committee
3. Rules for the mid-term evaluation of doctoral students of the Doctoral School
4. Interim Report on the Implementation of the Individual Research Plan
5. Mid-Term Evaluation Report of the doctoral student
6. A confidentiality statement for a member of the Mid-Term Evaluation Committee

Summary of the provisions of the Doctoral School Regulations concerning mid-term evaluation (October 1, 2019–September 30, 2025)

<table>
<tr><td colspan="2">Doctoral School Regulations of September 25, 2019</td></tr>
<tr><td colspan="2">Period of validity of the Regulations: October 1, 2019–September 30, 2021</td></tr>
<tr><td>Assessment
Mid-term</td><td>§ 16
1. The implementation of the Individual Research Plan is subject to mid-term assessment.
2. The mid-term evaluation is conducted halfway through the program, but no later than during the fourth semester.
3. The mid-term evaluation is conducted by the Mid-Term Evaluation Committee, consisting of 3 persons.
4. The Committee referred to in paragraph 3 shall include at least one person holding a postdoctoral degree or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University.
5. The supervisor and assistant supervisor may not be members of the Committee referred to in paragraph 3.
6. The mid-term evaluation shall include the following stages and shall be carried out in the following order:
1) assessment of the doctoral student's completion of the education program,
2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan,
3) timeliness of the schedule for the preparation of the doctoral dissertation,
4) presentation by the doctoral student on his or her achievements to date,
5) discussion with the members of the Commission referred to in paragraph 3 on the doctoral student's presentation,
6) determination by the Committee referred to in paragraph 3 of the outcome of the mid-term evaluation.
7. The mid-term evaluation shall result in a positive or negative outcome.
8. A negative result must be justified and disclosed to the doctoral student.
9. A negative result of the mid-term evaluation shall result in the doctoral student being removed from the list of doctoral students of the Doctoral School.</td></tr>
</table>

Regulations of the Doctoral School of March 24, 2021.	
Period of validity of the Regulations: October 1, 2021-September 30, 2022	
Assessment Mid-term	§ 16 1. The implementation of the Individual Research Plan is subject to mid-term assessment. 2. The mid-term evaluation is carried out halfway through the period of education, but no later than during the fourth semester. 3. The mid-term evaluation is conducted by the Mid-Term Evaluation Committee, consisting of three persons appointed by the Scientific Council of the Doctoral School. Mid-term Evaluation Committee, consisting of three persons appointed by the Scientific Council of the Doctoral School. 4. The Committee referred to in paragraph 3 shall include at least one person holding a postdoctoral degree or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University. 5. The supervisor and assistant supervisor may not be members of the Committee referred to in paragraph 3. 6. The mid-term evaluation shall include the following stages and shall be carried out in the following order: 1) assessment of the doctoral student's completion of the education program, 2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan, 3) timeliness of the schedule for the preparation of the doctoral dissertation, 4) presentation by the doctoral student on his or her achievements to date, 5) discussion with the members of the Committee referred to in paragraph 3 on the doctoral student's presentation, 6) determination by the Committee referred to in paragraph 3 of the result of the mid-term evaluation. 7. The mid-term evaluation ends with a positive or negative result. 8. A negative assessment must be justified and is disclosed to the doctoral student and the supervisor. 9. The doctoral student has the right to appeal against a negative mid-term evaluation to the Director. The deadline for submitting an appeal with justification is 7 days from the date of disclosure of the evaluation results. The appeal shall be considered by the Mid-Term Assessment Committee in its new composition. The decision of the Committee shall be final. 10. A negative mid-term assessment result for a doctoral student results in the removal of the doctoral student from the list of doctoral students of the Doctoral School.

Regulations of the Doctoral School of April 27, 2022.	
Term of validity of the Regulations: October 1, 2022–September 30, 2023	
Assessment **Mid-term**	§ 16 1. The implementation of the Individual Research Plan is subject to mid-term assessment. 2. The mid-term evaluation is carried out halfway through the period of education, but no later than during the fourth semester. 3. The mid-term evaluation is carried out by the Mid-Term Evaluation Committee, consisting of three persons appointed by the Scientific Council of the Doctoral School. Mid-term Evaluation Committee, consisting of 3 persons, appointed by the Scientific Council of the Doctoral School. 4. The Committee referred to in paragraph 3 shall include at least one person holding a postdoctoral degree or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the University. 5. The supervisor and assistant supervisor may not be members of the Committee referred to in paragraph 3. 6. The mid-term evaluation includes the following stages and is carried out in the following order: 1) assessment of the doctoral student's completion of the education program; 2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan; 3) timeliness of the doctoral dissertation preparation schedule; 4) presentation by the doctoral student on his or her achievements to date; 5) discussion with the members of the Committee referred to in paragraph 3 on the doctoral student's presentation; 6) determination by the Committee referred to in section 3 of the result of the mid-term evaluation. 7. The mid-term evaluation ends with a positive or negative result. 8. A negative assessment must be justified and is disclosed to the doctoral student and the supervisor. 9. A doctoral student has the right to appeal to the Vice-Rector against a negative mid-term evaluation. The deadline for submitting an appeal a justification is 7 days from the date of disclosure of the assessment results. The appeal is reviewed by the Mid-Term Assessment Committee in its new composition. The Committee's decision is final. 10. A negative mid-term evaluation result shall result in the doctoral student being removed from the list of doctoral students of the Doctoral School.

Regulations of the Doctoral School of April 26, 2023.	
Period of validity of the Regulations: October 1, 2023-September 30, 2025	
Assessment Mid-term	§ 16 1. The implementation of the Research Plan is subject to mid-term assessment. 2. The mid-term evaluation is carried out halfway through the education period, but no later than during the fourth semester. 3. The mid-term evaluation is carried out by the Mid-Term Evaluation Committee, consisting of three persons appointed by the Scientific Council. 4. The committee referred to in paragraph 3 shall include at least one person holding at least a postdoctoral degree in the discipline in which the doctoral dissertation is being prepared, employed outside the University. 5. The Committee referred to in section 3 may include a person who does not meet the conditions specified in section 4, who is an employee of a foreign university or scientific institution, if the relevant Academic Degrees Council of the Medical University of Lublin considers that this person has significant achievements in the field of scientific issues to which the doctoral dissertation relates. 6. The supervisor or supervisors, or the supervisor and assistant supervisor, may not be members of the Committee referred to in paragraph 3. 7. The mid-term evaluation shall include the following stages and shall be carried out in the following order: 1) assessment of the doctoral student's completion of the education program; 2) assessment of the consistency of the doctoral student's achievements with the assumptions of the Research Plan; 3) timeliness of the schedule for the preparation of the doctoral dissertation; 4) presentation by the doctoral student on his or her achievements to date; 5) discussion with the members of the Committee referred to in paragraph 3 on the doctoral student's presentation; 6) determination by the Committee referred to in paragraph 3 of the result of the mid-term evaluation. 8. The mid-term evaluation shall result in a positive or negative outcome. 9. The results of the mid-term evaluation are disclosed to the doctoral student and the supervisor or supervisors, or the supervisor and assistant supervisor. 10. A negative result must be justified. 11. The doctoral student has the right to appeal against a negative mid-term evaluation to the Vice-Rector. The deadline for submitting an appeal with justification is 7 days from the date of disclosure of the evaluation results. The appeal shall be considered by the Mid-Term Evaluation Committee in a new composition. The decision of the Committee shall be final. 12. A negative mid-term evaluation result for a doctoral student results in the removal of the doctoral student from the list of doctoral students of the Doctoral School.

Rules for appointing members of the Mid-Term Assessment Committee
Doctoral School of the Medical University of Lublin

Pursuant to Article 202(2) of the PSWiN, the implementation of an individual research plan is subject to a mid-term evaluation. The mid-term evaluation is a specific form of assessment of a doctoral student's research work and takes place halfway through the period of study specified in the study program, and in the case of a 6-semester program, during the fourth semester.

Committee for conducting the mid-term evaluation

1. The committee for conducting the mid-term evaluation is appointed by the Doctoral School Council at the request of the Council Chair.
2. The composition of the Committee is determined separately for the mid-term evaluation of a doctoral student or group of doctoral students by June 30 of the year in which the mid-term evaluation is conducted.
3. The Mid-Term Evaluation Committee is appointed for a given academic year.
4. The Committee shall consist of three persons holding at least a postdoctoral degree, including at least one person holding a postdoctoral degree or the title of professor in the discipline in which the doctoral dissertation is being prepared, employed outside the Medical University of Lublin.
5. The supervisor or supervisors, or the supervisor and assistant supervisor, may not be members of the Committee.
6. A person who is subject to circumstances that could affect their impartiality in assessing a doctoral student (scientific or professional dependence, or kinship) may not be a member of the Mid-Term Evaluation Committee.

Competences of the members of the mid-term review committee

1. Candidates for the Committee are selected on the basis of their scientific competence and in accordance with the principle of impartiality.
2. The following competences are taken into account:
   a. advanced theoretical issues relevant to the scientific field and methodological competence to conduct scientific research;
   b. academic competence (e.g., scientific publications, scientific communication, obtaining research funding, research ethics, popularization of research results, etc.);
   c. professional competencies and soft skills
3. The verification of the competences of committee members who are employees of the Medical University is carried out using bibliometric data from the Library of the Medical University of Lublin.
4. The verification of the competence of committee members from outside the Medical University is carried out via the website https://ludzie.nauka.gov.pl

Rules for the mid-term evaluation of doctoral students at the Doctoral School of the Medical University of Lublin

§ 1

Mid-term evaluation

1. The mid-term evaluation of doctoral students is conducted in the following stages and in the following order:
   1) assessment of the doctoral student's completion of the education program;
   2) assessment of the consistency of the doctoral student's achievements with the Individual Research Plan's assumptions;
   3) timeliness of the doctoral dissertation preparation schedule;
   4) presentation by the doctoral student on his/her achievements to date;
   5) discussion with members of the Mid-Term Evaluation Committee on the doctoral student's presentation;
   6) determination of the mid-term evaluation result by the Mid-Term Evaluation Committee.
2. Detailed elements of the assessment of the individual stages referred to in paragraph 1 are presented in Appendix 6 to the Doctoral School Regulations – IPB Implementation Report – (Appendix 1 to these Rules)
3. Each of the stages referred to in section 1 is assessed by the Mid-Term Evaluation Committee.

§ 2

Mid-term Evaluation Committee

1. The composition of the Mid-Term Evaluation Committee shall be announced by the Chair of the Doctoral School Council no later than 14 days before the planned date of the mid-term evaluation.
2. The Mid-Term Evaluation Committee makes decisions by a simple majority vote, with all members of the Committee present.
3. Minutes of the Mid-Term Evaluation Committee meeting shall be drawn up and signed by all Committee members present at the meeting. The minutes of the Committee's deliberations shall be forwarded immediately to the Dean's Office of the Doctoral School of the Medical University of Lublin. A template of the minutes is attached as Appendix 2 to these Rules.

§ 3

Procedure

1. The Chair of the Mid-Term Evaluation Committee, in consultation with the Dean's Office of the Doctoral School, shall convene meetings and set the date and place of the Committee's meetings. The Dean's Office shall inform the doctoral student of the date and place of the mid-term evaluation.
2. The doctoral student shall submit a file to the Dean's Office by **June 30** at the latest, containing:
   1) mid-term report on the implementation of the IPB (Appendix No. 6 to the Doctoral School Regulations);
   2) documents confirming the doctoral student's scientific achievements;
   3) a presentation on the doctoral dissertation saved on an electronic medium.
3. The meeting of the Mid-Term Evaluation Committee may also be held online or in a hybrid form, using the Dean's Office license on the ZOOM platform.
4. The doctoral student presents the results of the IPB implementation by means of an oral presentation before the members of the Mid-Term Evaluation Committee, using an electronic presentation prepared in PowerPoint.
5. The presentation referred to in paragraph 4 contains information on the current status of the IPB implementation, with particular emphasis on the research methods used, the results of the research to date and their dissemination in the form of publications, as well as further research plans.
6. The planned presentation time is approximately 10 minutes, therefore the presentation should not contain more than 12 slides, including the title slide.
7. After the doctoral student has finished the presentation, the Mid-Term Evaluation Committee asks the doctoral student three questions related to the research problem. The doctoral student's answers to the questions and the discussion with the Mid-Term Evaluation Committee are subject to evaluation.
8. The result of the mid-term evaluation is announced within 7 days of its completion. In addition, the result and justification are sent electronically via e-mail in the umlub domain to the doctoral student.

Appendix No. 6

to the Regulations of the Doctoral School

INTERIM REPORT ON THE IMPLEMENTATION OF THE INDIVIDUAL RESEARCH PLAN

(for the second year)

Surname	
First name	
Scientific discipline	
Supervisor	
Second supervisor/assistant supervisor assistant	

I. Implementation of the curriculum (to be implemented by term 8)

No.	**Mandatory development activities**	**Details**	**Remarks**

No.	**Professional practice**	**Implementation status**	**Remarks**
1.	Conducting classes		

No.	**Optional classes**	**Implementation status**	**Comments**
1	**Block A** – at least 2 out of 5 to be completed in the education cycle		

2.	**Block B** – to be completed min. 1 activity in the education cycle		
3.	**Block C** – to be completed min. 4 in the education cycle		

II. Implementation of the Individual Research Plan

a) in accordance with the IRP schedule

No.	IPB assumptions/milestones	Implementation status	Remarks

b) publications (please specify: Authors, Title of work, Journal, Year, Volume, Pages, IF points, MNiSW points, Status of work - published/accepted for publication/submitted *)

No.	

*** In the case of a published work, a printout from the library should be provided; in the case of a work accepted for publication, a letter from the editorial office/**
For submitted work, a letter from the editorial office confirming submission/a screenshot from the system and the manuscript

c) conference abstracts (please provide: Authors, Title of the work, Name of the Scientific Conference, Year, Type of presentation (poster presentation/oral presentation/print in conference materials)**

No.	

**** as confirmation, a printout from the library or conference materials confirmed by the supervisor**

d) monographs* (please provide: Authors, Title, Year, ISBN No., Scope of Authorship - chapter, editing)**

No.	

***** as confirmation, a printout from the library**

e) patents (with confirmation of application)

No	

f) Synthetic description of the completed task (up to 500 words)

IV. Opinion of the supervisor(s) (up to 250 words)

Date, stamp, and signature of the supervisor	Date, stamp, and signature of the second supervisor/assistant supervisor

Date of submission of the report	Signature of the doctoral student

SZKOŁA DOKTORSKA

U N I V E R S I T Y M E D I C A L O F L U B L I N
D O C T O R A L S C H O O L

MID-TERM EVALUATION REPORT
OF THE DOCTORAL STUDENT
AT THE DOCTORAL SCHOOL OF THE MEDICAL UNIVERSITY OF LUBLIN

Surname	
First name	
Student register no	
Title of doctoral dissertation	
Scientific discipline	
Organizational unit of UML	
Supervisor	
Second supervisor/assistant supervisor	
Date of commencement of education	

Mr/Ms ……joined on.....to the mid-term evaluation at
Doctoral School of the Medical University of Lublin
in the discipline of: medical sciences/pharmaceutical sciences/health

sciences before **the Mid-Term Evaluation Committee** consisting of:

1) Chairman of the Committee:
…….…. - affiliation
2) Committee Member outside the Medical University of Lublin:
…….…. - affiliation
3) Committee member (in the case of interdisciplinary work outside the Medical University of Lublin):
…….…. - affiliation

I. STAGES OF MID-TERM EVALUATION

Evaluation stages	Committee evaluation
1. Evaluation of the doctoral student's implementation of the educational program .	☐ **Positive** Justification:…… …… …… ☐ **Negative** Justification:…… …… ……

2. Assessment of the consistency of the doctoral student's achievements with the assumptions of Individual Research Plan	☐ **Positive** Justification:…… …… …… …… ☐ **Negative** Justification: …… …… ……
3. Timely implementation of the schedule for the preparation of the doctoral dissertation	☐ **Positive** Justification:…… …… …… …… ☐ **Negative** Justification: …… …… ……
4. Presentation by the doctoral student on his/her achievements to date	☐ **Positive** Justification:…… …… …… …… ☐ **Negative** Justification: …… …… ……
5. Discussion with members of the Committee on the presentation given by the doctoral student	**Questions asked by the committee members to the doctoral student concerning his/her presentation and the research problem undertaken** *(3 questions):* **1. ……** **2. ……** **3. ……** **Evaluation of the doctoral student's response to the questions** ☐ **Positive** **Justification:……** **……** ☐ **Negative** **Justification: ……** **……**

II. RESULT OF THE MID-TERM EVALUATION

After reviewing the Individual Research Plan and the Report on the implementation of the education program and the Individual Research Plan, listening to the presentation at the Mid-Term Evaluation Committee meeting, and after discussion with the doctoral student …… the Committee issues the following assessment:

……

Mid-term evaluation result (positive/negative*):

JUSTIFICATION OF THE MID-TERM EVALUATION RESULT

(the result must be justified in detail; in accordance with the Act of July 20, 2018, Law on Higher Education and Science, the assessment result and justification are public):

……
……
……
……
……
……

……
……
……
……
……
……

*select the appropriate

Signatures of the Mid-Term Evaluation Committee members:

The assessment made during the Committee meeting conducted using electronic means of communication (remote mode) shall be signed by the Chair of the Committee.

No.	First and last name	Function	Signature
1		Chairmain of the committee	
2.		Committee member	
3.		Committee member	

CONFIDENTIALITY STATEMENT

APPENDIX TO THE MID-TERM EVALUATION DOCUMENTATION

OF THE DOCTORAL STUDENT: ……

Name and surname of the person submitting the Statement:
……..……..……..

Title of the research project to which the Statement relates:
……..……..……..

b) not to use Confidential Information for purposes other than the mid-term evaluation of second-year doctoral students of the UML Doctoral School regarding the implementation of the Individual Research Plan, in particular not to use Confidential Information for personal gain or to disclose such information to third parties for personal gain;

c) protect Confidential Information with the utmost care and secure Confidential Information against loss, theft, damage, deterioration, and access by third parties not authorized to receive such information;

d) not disclose Confidential Information to any third party without the express prior consent of the Medical University, given in writing;

e) upon completion of the assessment of the implementation of the Individual Research Plan by the Mid-Term Assessment Committee, immediately return all documents containing Confidential Information to to Office School Doctoral UML or, in the case of electronic documents, permanently delete them from controlled resources, leaving no copies.

II

Confidential Information and the obligation to maintain confidentiality do not cover information that:

a) has been previously disclosed to the public in a manner that does not constitute a breach of these obligations;

b) are known to the Declarant from other sources, without any obligation to keep them confidential and without breaching these obligations, which the Declarant is able to prove;

c) were in the possession of the Declaring Party prior to disclosure, in accordance with the law and without breach of other contractual obligations;

d) they were disclosed in accordance with applicable legal requirements or at the request of authorized state administration bodies, courts, and other state authorities, within the scope of their competence, provided that, to the extent possible, the Declarant shall notify the Medical University thereof prior to such disclosure.

III

1. This declaration and the obligations specified therein shall remain in force indefinitely from the date of signing, and all obligations provided for therein shall become effective from the date of receipt of the documentation from the Medical University.
2. The Declarant shall be fully liable for any damage caused by the actions or , omission, constituting a breach of the obligations contained in this declaration.

3. Violation of the obligations contained in this statement may constitute grounds for criminal, civil, and disciplinary liability and may be considered a violation of the legal relationship between me and the University.
4. The declarant acknowledges that this declaration and its interpretation shall be governed by Polish law.

Place ..... on .....

.....

(legible signature of the Mid-Term Evaluation Committee member)

Lublin, 31 października 2025 roku

DL.012.151.2025

Upoważnienie

Ja niżej podpisany prof. dr hab. Wojciech Załuska – Rektor Uniwersytetu Medycznego w Lublinie, z siedzibą Aleje Racławickie 1, 20-059 Lublin, uczelni publicznej utworzonej mocą rozporządzenia Rady Ministrów z dnia 24 października 1949 roku w sprawie założenia akademii lekarskich w Warszawie, Krakowie, Poznaniu, Lublinie, Łodzi i Wrocławiu (Dz. U. Nr 58, poz. 450) ze zmianami wynikającymi z rozporządzenia Rady Ministrów z dnia 3 marca 1950 roku w sprawie zmiany nazwy wyższych szkół akademickich podległych Ministrowi Zdrowia (Dz. U. Nr 9, poz. 92), ustawy z dnia 4 grudnia 2002 roku o nadaniu Akademii Medycznej w Lublinie nazwy Akademia Medyczna imienia Prof. Feliksa Skubiszewskiego w Lublinie (Dz. U. z 2003 r. Nr 17, poz. 151) oraz ustawy z dnia 23 stycznia 2008 roku o nadaniu Akademii Medycznej im. Prof. Feliksa Skubiszewskiego w Lublinie nazwy Uniwersytet Medyczny w Lublinie (Dz. U. Nr 39, poz. 225); NIP 712-010-69-11, na podstawie § 38 ust. 3a Statutu Uniwersytetu Medycznego w Lublinie z dnia 21 sierpnia 2024 roku oraz § 19 ust. 1 Regulaminu Organizacyjnego Uniwersytetu Medycznego w Lublinie z dnia 29 sierpnia 2024 roku

upoważniam

prof. dr. hab. Beatę Dobrowolską – Dziekana Szkoły Doktorskiej Uniwersytetu Medycznego w Lublinie do uzupełniania, zatwierdzenia, podpisania i złożenia raportu samooceny jakości kształcenia w szkole doktorskiej, w systemie Sedok, w ramach Zintegrowanego Systemu Informacji o Szkolnictwie Wyższym i Nauce POL-on.

Upoważnienia udziela się do dnia 31 sierpnia 2028 roku.

W zastępstwie Rektora
Uniwersytetu Medycznego w Lublinie
Prorektor do spraw Klinicznych

dr hab. Marek Sawicki, prof. Uczelni

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rektor@umlub.pl Al. Racławickie 1, 20-059 Lublin

Rektor
Uniwersytet Medyczny w Lublinie

Lublin, dnia 23 października 2025 roku

DL.012.148.2025

Pełnomocnictwo

Na podstawie § 32 ust. 6 Statutu Uniwersytetu Medycznego w Lublinie z dnia 21 sierpnia 2024 roku, niniejszym udzielam pełnomocnictwa dr. hab. Markowi Sawickiemu, prof. Uczelni – Prorektorowi do spraw Klinicznych Uniwersytetu Medycznego w Lublinie do reprezentowania Uniwersytetu w zastępstwie Rektora Uniwersytetu Medycznego w Lublinie – prof. dr. hab. Wojciecha Załuska w czasie jego nieobecności w dniach 27 października oraz 29 października – 5 listopada 2025 roku.

Rektor
Uniwersytetu Medycznego w Lublinie

prof. dr hab. Wojciech Załuska

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