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

Szkoła Doktorska Uniwersytetu Ekonomicznego w Poznaniu

Uniwersytet Ekonomiczny w Poznaniu

Evaluation period: 01-10-2019 to 18-12-2024
EZD case number: DN-WAN.76.19.2024

Date and time:
12.03.2025, 14:29

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PART A

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Premises No.

-

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VISITING CARD

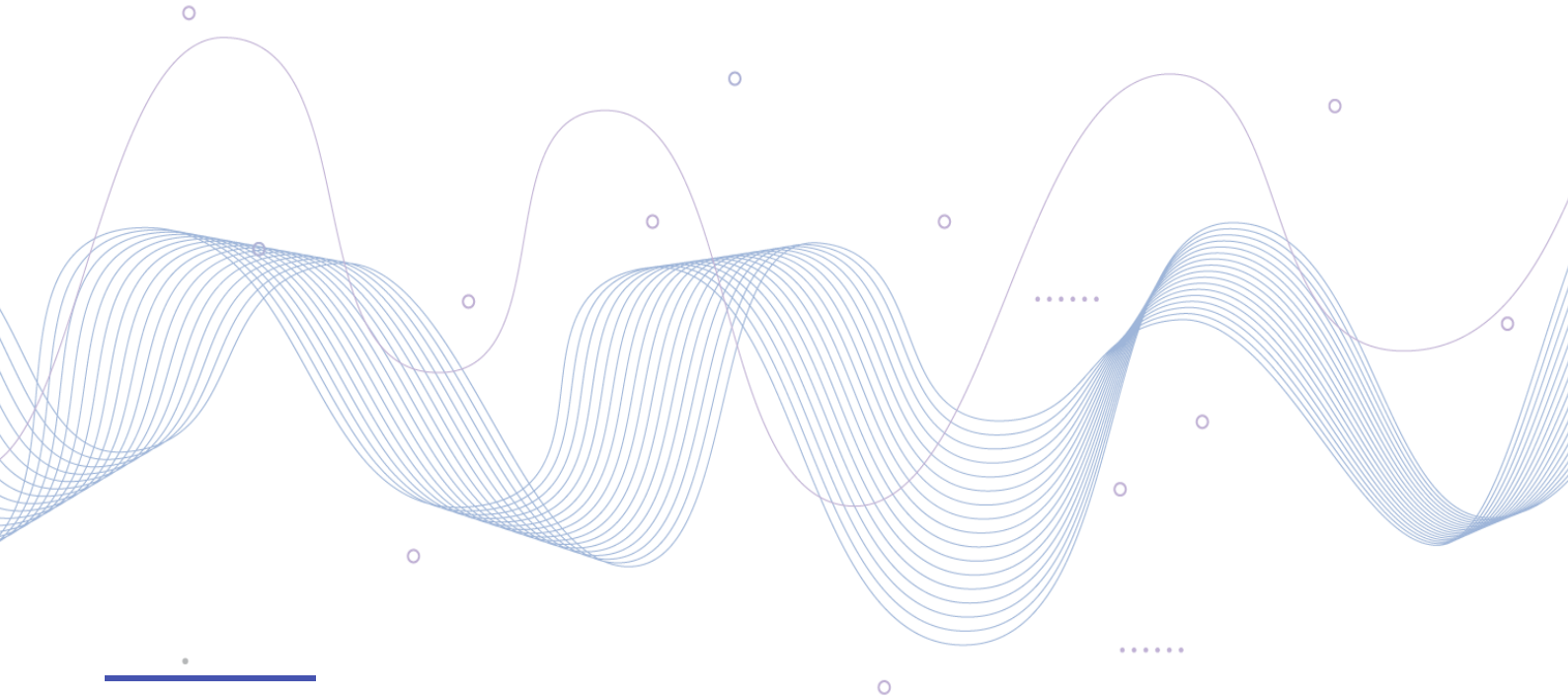
Basic Information about the Doctoral School

Year of Creation

2019

Institution running the doctoral school

Uniwersytet Ekonomiczny w Poznaniu



Field of Education	Education Disciplines
Social sciences	economics and finance management and quality studies

Name/Scope of the Education Program (PL)	Name/Scope of the Education Program (EN)
Program kształcenia w Szkole Doktorskiej Uniwersytetu Ekonomicznego w Poznaniu	Programme of studies of the Doctoral School of the Poznań University of Economics and Business
Program kształcenia w Szkole Doktorskiej UEP	Programme of studies of the PUEB Doctoral School

Additional Information about the Doctoral School

Educating Staff

Numerical data for the evaluation period

Educating Staff	Instructors	Supervisors	Assistant Supervisors
Number of people	96	60	50

Doctoral Students

Number of doctoral students (total): 91

Recruitment during the evaluation period	2019/ 2020	2020/ 2021	2021/ 2022	2022/ 2023	2023/ 2024	2024/ 2025	Total
Number of recruited doctoral students	9	18	16	15	18	15	91
Number of doctoral students who completed the doctoral school	6	7	0	0	0	0	13
Number of doctoral students removed from the doctoral student list	3	4	2	0	1	1	11

Mid-term evaluation results	Positive	Negative
Number of Doctoral Students	51	1

Educational Programs	Number of Doctoral Students
Programme of studies of the Doctoral School of the Poznań University of Economics and Business	9
Programme of studies of the PUEB Doctoral School	82

Additional Numerical Data on Doctoral Students

Number of foreign doctoral students	15
Number of doctoral students with disabilities	1
Number of doctoral students in the Implementation Doctorate program	0
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	10

Graduates

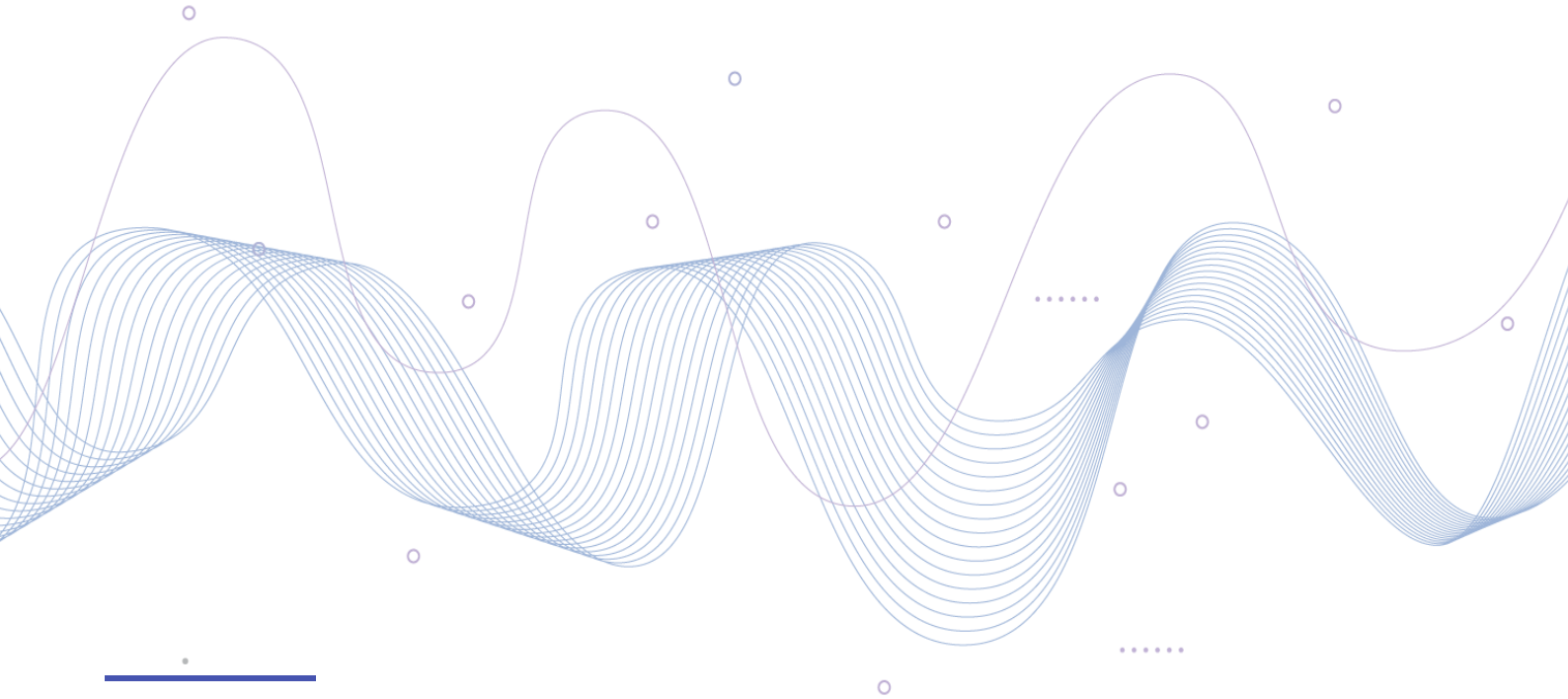
Numerical data for the evaluation period

Number of graduates who applied for initiation of proceedings for the award of a doctoral degree	10
Number of doctoral students who completed the doctoral school	7

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

The Doctoral Student Government operates autonomously in pursuance with the PUEB Charter and Rules (Rector's Ordinance 10/2022), which stipulate its organisation, funding, and powers. The Student Government is comprised of all PhD students. Its principal governing body, the Doctoral Student Council (DSC), is led by a chair who is also a member of the University's Senate.
The DSC consists of 4 to 20 members elected annually by anonymous vote and is overseen by the Audit Committee. The Council represents PhD students in relations with the University and externally. It makes its decisions by majority vote in the presence of a quorum of at least half of its members.
PhD students actively participate in the work of the DSC, the Senate, the Strategy Team, the Library Council, and numerous committees, including the Disciplinary C., the Appeals C., the Scholarship C., the Research Ethics C., the Education and Quality Assurance C., the Social Responsibility C., the Research and International Cooperation C., and the Electoral and Organizational C.
Phd students monitor the quality of education at the DS. The DS directors provide the DSC with reports analysing course evaluations. Since 2022, the PUEB has also conducted the "We Change PUEB Together" survey, allowing PhD students to evaluate the university's functioning and highlight areas for improvement.
The Council receives an annual budget of PLN 5,000 (in 2025) out of a Rector-allocated pool. The Council has an office equipped with a computer, projector, and printer. It also maintains a website, an e-mail service, Facebook and LinkedIn profiles, and a WhatsApp chat group.
DSC has the right to:
- Operate autonomously- Adopt the Doctoral Student Government Rules- Express an opinion on candidates for directors of the DS- Express an opinion on regulations referring to doctoral studies, admissions, and scholarships- Participate in the work of PUEB governing bodies and in PUEB elections- Take initiative (organise events)

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

Alignment of learning outcomes with PQN8 The PUEB DS study programme has been based on the university's teaching experience, its teaching orientation (PUEB has been educating doctoral students since 1955), and long-standing collaborations with international universities (Holland, Germany, Canada, France, and Luxembourg). Doctoral education programme lasts 8 semesters and prepares PhD students to conduct research in the economics and finance as well as management and quality studies.
The programme's content has been designed to fully align with PQN 8 learning outcomes. All courses reference EQN 8 in their syllabi, as demonstrated in the coverage matrix (the syllabi are publicly available). The required learning outcomes are comprehensively integrated into course content.
Alignment of PhD students' research activities with PQN 8 outcomes
PhD students develop an Individual Research Plan (IRP) using a structured template that includes research activities and the dissemination of their results, explicitly linking them to the learning outcomes required for PQN 8 qualifications. The IRPs are reviewed by the Doctoral School Council to ensure their alignment with learning outcomes. Feedback is provided to both PhD students and their supervisors. Once revised as needed, the plan is cleared by the Council and formally approved by the Rector.Implementation of study programme and IRPs to achieve PQN 8 outcomes The study programme (Attachment 1) includes: 1) Compulsory courses – fundamental topics within the disciplines (P8U_W, P8S_WG), including a "Core Lectures and Courses" module designed to develop universal skills (P8S_WK, P8S_UU). 2) Elective courses – specialised topics (P8U_W, P8S_WG) 3) PhD seminar (P8S_WG, P8U_U, P8S_UW). 4) PhD Student Session (Year 1) - checking PhD Students' knowledge, ability to formulate research problem, objectives, and selecting appropriate research methods and tools (P8S_UW, P8S_UK). 5) Preparation and implementation of the IRP – Monitoring of research progress based on semester reports (P8S_WG, P8S_UU). 6) PhD Student Conference (Year 2) – checking the ability to identify research problems and propose innovative solutions(P8S_UW, P8S_UK, P8S_KK). 7) Mid-term assessment – (Criterion 6). 8) Teaching internships – PhD students either deliver classes (with observation) or co-teach courses (15 hours per year from Year 2) (P8S_UU). Ensuring study programme interdisciplinarity to achieve PQN 8 outcomes At the DS, interdisciplinarity is ensured through: 1) Compulsory university courses, such as Philosophy of Science, Research Ethics, and Intellectual Property Protection, 2) Inaugural lectures taught by researchers from various fields, 3) Individual Study Programmes, with the option to collaborate with another university , 4) Option to select second supervisor from a different field,5) International tutoring (see Criterion 7).
Integrity of study programme improvement
Study programme improvements rely on: 1) In-depth analyses of teaching quality assessments (survey conducted each semester), 2) In-depth analyses of the Together We Change PUEB survey,3) Talks with PhD students, the DS Council, and supervisors, 4) Topics of PhD theses, 5) Consultations with the DS Council and the International Advisory Board (IAB), 6) In-depth analyses of the final survey evaluating the entire programme,7) Observation of evolving socio-economic, legal, and technological environments.
Past evaluations have not altered the general programme framework but resulted in modifications of the offer of elective courses, teaching staff assignments, and syllabi (content and literature updates). Self-assessment
Strengths:- Direct interactions with staff, relationship-building, and rapid advances facilitated by the in-person study format,- A structured and transparent study programme divided into two stages:Years 1–2: compulsory field-related courses and an overview of research methods,Years 3–4: work on the PhD thesis and academic mobility,- Active involvement of the DS Council and the International Advisory Board,- Verification of learning outcomes and research results through the PhD session (Year 1) and PhD student conference (Year 2),- Flexibility in course selection by adapting seminars, lectures, and open courses to PhD students' research topics,- Support for internationalisation and language skill development through courses taught in English,- Regular programme evaluation through annual survey analysis and consultations with PhD students, the DS Council, and IAB,- Fostering interdisciplinarity by allowing PhD students to design their individual study programmes, select a second supervisor from a different field, and participate in international tutoring.
Areas for improvement:- increasing the share of elective courses, especially interdisciplinary ones, which may increase interest in interdisciplinary research among doctoral students and the scope of competences they develop.

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

Availability and clarity of the rules for verifying learning outcomes for the 8 PQN
The rules for verifying learning outcomes are publicly available and clearly defined in: - Doctoral School Rules, - the study programme, - individual course syllabi: (https://www.esylabus.ue.poznan.pl/pl/12/1/6/105/23)
The principles and procedures for verifying PQN level 8 outcomes are outlined in Attachment 1. These rules apply equally to all doctoral students. Completion of the PUEB DS programme means that a doctoral student has passed all examinations, obtained credits for all courses (including the doctoral seminar), and submitted their doctoral thesis to the Academic Advancement Board within the required timeframe. This equates to achieving the learning outcomes at the 8 PQN. The PhD student receives a certificate of completing the PUEB DS, which is subsequently submitted to the Academic Advancement Board along with a request to launch the doctoral degree conferral procedure.
The learning outcomes achieved by doctoral students are verified on the basis of:- Class attendance (all courses are delivered on campus in a full-time mode and are mandatory; in the case of repeated absences, the DS Director and the course instructor raise the issue in a conversation with the student to determine a further course of action),- A system of credit assessments and examinations for both compulsory and elective courses, is communicated to doctoral students in advance via syllabi; in the event a student fails both the initial and resit attempts, DS Director may, upon the student's request, choose to grant conditional progression for the semester, provided the failed courses are completed within a designated period not exceeding one semester; a doctoral student may take advantage of conditional progression only once (this situation has occurred three times),- Submission, every semester, of the PhD student's semester report on research progress, reviewed by their supervisor(s),- Semester evaluation of the student's progress by DS Director,- Completion of professional internship, i.e., teaching or co-teaching of classes, with a teaching observation report or a professional internship report (for co-teaching) being prepared,- Participation in the PhD session (2nd semester),- Submission of an IRP by the end of the 1st year and adherence to the research schedule as outlined in the IRP (monitored through the PhD student's semester report),- Participation in the PhD conference in the 4th semester, with the student presenting research findings and receiving a review of their article,- Submission of applications for research grants and international research internships (not mandatory but considered an indicator of progress in the PhD student's research),- Timely submission of the doctoral thesis.
Transparency and reliability of learning outcome checks for qualifications at the 8 PQN
The stages of learning outcome checks verifying alignment with the 8 PQN are outlined in publicly available documents, including the Rules of the DS, the study programme, and course syllabi – this ensures the transparency and reliability of such checks.
Transparency is demonstrated through:- Having well-defined verification rules aligned with course syllabi,- The IRP being submitted by PhD students and thoroughly assessed by members of the DS Council, with feedback shared with the doctoral students and their supervisors; the students subsequently submitting a revised version of the IRP along with responses to comments,- Members of the mid-term evaluation committee being appointed in a fair and transparent manner (as described in Criterion 6),- Any rule modifications being reviewed by the Doctoral Student Council, Senate committees—including the Senate Committee for Research and International Cooperation—and the PUEB Senate (this applies to the rules and study programme).
The tools employed in the verification process vary depending on the course (some courses make use of multiple tools to allow for a comprehensive evaluation of learning outcomes). The tools include:- Written examinations (History and Methodology of Economic Sciences),- Econometric and statistical project completed in teams of 2–3 students (Applied Econometrics in Year 1, Applied Statistics in Year 1),- Individual essays (Advanced Management, Advanced Microeconomics, Research Ethics and Intellectual Property),- Final test,- Doctoral thesis proposal prepared according to the “Faff - Pitching Template” (Scientific Research Design 1),- Doctoral thesis proposal prepared according to a specified model and presented during doctoral session (Scientific Research Design 2),- Moodle-based tests assessing knowledge after each course (Quantitative and Qualitative Research Methods),- Research article abstract (Publication Workshop 1, Publication Workshop 2),- Working paper for the doctoral conference in Year 2.
The integrity of learning outcome checks is assessed on the basis of:- Evaluations relying on the quality-of-education surveys, which include questions on the consistency of course content and teaching methods with syllabus descriptions,- Analyses of the distribution of grades awarded to doctoral students,- Assessment of the quality of collaboration between the PhD student and their supervisor, based on report submitted in the semester report (starting from the 1st semester) on the implementation of the study programme and the preparation of the doctoral thesis, and – from the 3rd semester – on the implementation of the IRP. In the report, the doctoral student provides information on, among other things, the frequency of doctoral seminars and consultations with the supervisor, the thesis proposal or a working paper at a department meeting. The report is reviewed by the supervisor(s), who assess the PhD student’s progress in research work and thesis preparation,- Evaluation of the student’s academic activities by DS Director, based on information provided in the semester report. The Director provides a written assessment (favourable or unfavourable), highlights problem areas, and makes recommendations. The assessment is shared with the PhD student and their supervisor(s). If needed, the Director invites the student for a meeting to discuss reasons for unsatisfactory research progress and contacts the supervisor (since the establishment of the DS, the Director has issued 5 unfavourable assessments of IPB implementation, each preceded by a discussion with the student and their supervisor).
Examinations passed, credits obtained, completed professional internships, and research internships are confirmed by DS Director on the PhD student’s Record of Periodic Achievements, which documents their academic progress. The Record of Periodic Achievements is stored in the student’s personal file. The student is given access to this Record through the USOS system.
Integrity of efforts to improve learning outcome check methods for the 8PQN
Changes to the process of improving learning outcome checks (as outlined in the rules, study programme, and syllabi) are implemented in a transparent and reliable manner.

To ensure the highest standards and continuous improvement of checks of the learning outcomes required for the achievement of PQN level 8 qualifications, the Doctoral School leadership, acting in consultation with the DS Council, analyse the verification methods at the close of each academic year based on:- Teaching-quality assessments by PhD students concerning individual lecturers and courses, including the alignment of course content with syllabi,- Requests from PhD students regarding methodology courses of significance for their doctoral thesis topics,- Discussions with lecturers on potential modifications to verification methods and course content,- Recommendations from Doctoral School Council and International Advisory Board members for doctoral education enhancement,- Class observations conducted by PUEB DS directors to assess course content alignment with syllabi and whether proper use is made of the verification methods outlined in syllabi,- A comprehensive survey conducted after programme completion.
Changes to the rules and study programme are prepared by DS directors and the Doctoral School Council, subsequently consulted, and approved by a resolution of the DS Council. Such changes are then forwarded to the Vice-Rector for Research, who submits them for review to the Doctoral Student Council and the Senate Committee. The final version of the document, along with responses to comments from the Doctoral Student Council and the Senate Committee, is put to a vote by the PUEB Senate. Changes to syllabi (such as updates to literature and course topic modifications) are consulted with the DS Council.
Opinions, recommendations, and feedback from the above have led to the following practical implementations:- Modification of teaching staff assignments (the list of lecturers for the following academic year is reviewed by the DS Council), - Updates to course content and literature, as reflected in syllabi, - Modifications to course assessment methods (as reflected in the syllabi), - Rescheduling of the doctoral session in the 2nd semester to the beginning of that semester.
Self-assessment
Strengths: - Assessment of the IRP by members of the DS Council, - Mandatory presentation of research findings by the PhD student at a department meeting (once per semester from the 2nd semester onwards) and during a PhD session (2nd semester) as well as at the PhD conference (4th semester), - Semester-based monitoring of the PhD student's (and supervisor's) progress on the thesis and IRP through the submission of a semester report, - Comprehensive evaluation of teaching quality by PhD students.
Areas for improvement: - increasing the reponse rate of course evaluation surveys by PhD students, which refer, inter alia, to the usefulness of the obtained outcomes and the clarity of the pass criteria

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

The adequacy of scientific achievements and professional activities of teaching staff to the scope of doctoral teaching
The PUEB DS accepts scholars with expert knowledge and top-level teaching skills in their respective fields to conduct classes for PhD students. The teaching staff are selected against the following equally weighted criteria:1. Affiliation with the fields of either Economics and Finance or Management and Quality Sciences (applicable to PUEB staff and core subjects),2. Anonymous PhD student evaluations of teaching performance,3. Alignment of prior research areas, academic publications, and teaching experience with the DS Programme,4. Proficiency in English,5. Outcomes of interviews conducted by the Directors with prospective lecturers.
Attached are 5 selected lecturer profiles from the fields of Economics and Finance (Annex 1):- Professor Barbara Będowska-Sójka, Department of Econometrics, Institute of Informatics and Quantitative Economics,- Dr Maciej Beręsewicz, PUEB Professor, Department of Statistics, Institute of Informatics and Quantitative Economics,- Prof. dr hab. Barbara Jankowska, Department of International Competitiveness, Institute of International Economics,- Dr hab. Agnieszka Poczta-Wajda, PUEB Professor, Department of Macroeconomics and Agricultural Economics, Institute of Economics,- Prof. dr hab. Katarzyna Szarzec, Department of Macroeconomics and Development Studies, Institute of Economics.
and an additional 5 from the field of Management and Quality Studies (Annex 2):- Dr hab. Maciej Ławrynowicz, PUEB Professor, Department of Labour and Social Policy, Institute of Socioeconomics,- Prof. dr hab. inż. Alina Matuszak-Flejszman, Department of Quality Management, Institute of Management,- Dr hab. Milena Ratajczak-Mrozek, PUEB Professor, Department of Business Relationships and International Marketing, Institute of International Economics,- Prof. dr hab. Beata Stępień, Department of International Management, Institute of International Economics,- Dr hab. Krzysztof Węcel, PUEB Professor, Department of Economic Informatics, Institute of Informatics and Quantitative Economics.
The quality of work for the professional development of the teaching staff
A supervisor must hold at least the academic title of dr hab. and be employed at PUEB. Both the supervisor and the assistant supervisor, who must consent to undertaking this role, are selected by the relevant PhD student.PUEB supports the professional development of DS staff and supervisors as follows:· Once candidates have been admitted, the Vice-Rector for Research sends an email to prospective supervisors, the heads of their departments, and institute directors, sharing the list of PhD students and outlining the principles of collaboration between the PhD student and the supervisor, as well as collaboration within the department and institute.· Once the supervisors have been cleared by the Academic Advancement Board, a meeting is convened between the DS Directors and the supervisors. During this meeting, key milestones for educating PhD students are presented, including the IRP, mid-term assessment, thesis submission, supervisors' responsibilities, and best practices.· Training sessions aimed at advancing the professional development of lecturers and supervisors are arranged by the Human Resources Department (HRD) and the DS, either in-person or online. The HRD distributes information about training sessions and consults the DS leadership when determining the scope of training.· Funding for research internships is provided through programmes such as PUEB for Economy 5.0: IREG, Erasmus+, and PUEB Mini-Grants. The IREG and Mini-Grants programmes support research activities, conference participation. It is estimated that over 70% of the teaching staff at the DS regularly benefit from such support for research and teaching activities.· Meetings are held between supervisors, PhD students, and research staff from various disciplines to discuss PhD research ideas. The aim is to refine the content, structure, improve the methodology, and ensure the highest value of research findings. These meetings are held as extended department gatherings and inter-institute seminars.
(An in-depth description of supervisory support standards is provided in Criterion 5.)
The reliability of the actions taken to verify the qualifications of the teaching staff
When establishing the DS, PUEB leadership prioritised the careful selection of the teaching staff involved in PhD education. Any full-time PUEB staff members are required to live up to the standards outlined in the Guidelines for the Policy of Employment of Academic Teachers at PUEB.
Courses are taught by teams of 2 to 3 instructors, which enhances teaching quality through experience sharing, mutual substantive support, and collaborative evaluation of PhD students. This approach provides PhD students with diverse perspectives on given topics, fostering a multidimensional understanding of the concerned subject matter.
The quality and effectiveness of teaching at the DS are monitored as follows:· Before the start of each semester, the directors remind all lecturers by email of the principles applicable to teaching classes,· Course schedules for the DS are shared with PhD students via email and published on the PUEB's website,· Course assignments are reviewed and approved annually by the DS Council for the upcoming academic year,· PhD students evaluate teaching quality through surveys at the end of each semester,· Class observations (in classroom) are carried out by the Directors of the DS at an average of once every 2 years.
Before a DS Director observes a class, the concerned lecturer receives prior notice. An observation form is completed and submitted for the lecturer's approval. All observed classes have been highly rated, confirming that the curriculum is duly followed and that learning objectives are being achieved.PhD students' feedback plays a crucial role in selecting the DS's teaching staff. Both formal feedback (expressed in surveys) and informal opinions on teaching style and class content (particularly in relation to relevance for doctoral research) are key considerations in selecting both the instructors and course content.
Self-assessment:
Strengths:- Highly qualified and competent teaching staff at the DS- High ratings of the quality of instruction as assessed by PhD students- All classes are held on-site, facilitating direct interactions and consultations with instructors- DS instructors are given access to international academic staff for consultation purposes- Training and internships are available for lecturers
Areas for improvement:- To increase the number of international lecturers and supervisors in doctoral education and research

4. Quality of the recruitment process

The quality and availability of information and internal legal acts The admissions rules for the PUEB DS in its first year of operation have been published in Resolution 85 (2018/2019) of PUEB Senate dated 26 April 2019. All documents on the functioning of the PUEB DS are issued in the form of a Senate resolution or a Rector's communication and published on the Public Information Bulletin (BIP) and the PUEB DS websites in both Polish and English. The DS's admissions rules are published along with the admissions schedule no later than 5 months before admissions begin. By way of communication, no later than May of a given year, the Rector announces the appointment of an Admissions Committee (AC) and the maximum student intake. The DS AC members are made up of representatives of each Institute, as well as DS Director and Deputy Director. When selecting AC members, the Rector considers: - Representation of the field of Economics and Finance or Management and Quality Studies,- Publication record and research grants,- Experience in teaching and supervising PhD students,- Proficiency in English.
The composition of the AC, the admissions schedule, and the student intake cap are detailed in Attachment 2. The quality and accessibility of information on the functioning of the DS is ensured through: - Timely publication of internal rules, - Publishing a FAQ section on the functioning of the DS on PUEB website, - Providing a STER brochure on PUEB website, - Promoting the DS internationally, including through social media postings, - Directly advising PUEB's master's degree students on the option to enrol in the DS, - Online meetings with prospective candidates, - Responding to inquiries via the electronic admissions system, phone calls, emails, and in-person meetings with the DS leadership and the DS Office staff. The accessibility, unambiguity and openness of the rules of recruitment Information regarding admissions rules and required documents is made available in the admissions rules and published on the PUEB DS website:https://ue.poznan.pl/en/doctoral/doctoral-school/and also at the BIP PUEB system at:https://bip.ue.poznan.pl/80/81/szkola-doktorska.html The admissions rules have always been announced within the legally prescribed timeframe. Participation in the competitive admission process at the PUEB DS is free of charge. The candidate evaluation criteria are clearly defined. These criteria have been modified on 5 occasions. The DS shares information on its admissions: on PUEB and the DS websites, on social media, through candidates' direct interactions with the DS Office, using the Online Registration Portal (ORP) (which handles approximately 50 inquiries per year), and via email. The competition process
Admissions to the DS is a competitive process overseen by an AC appointed by the Rector. The competition procedure is outlined in the DS admissions rules. The respective stages of the admissions process are as follows: 1) Candidates register electronically at https://e-rekrutacja.ue.poznan.pl/pl/ and submit the required documents either at the DS Office or by mail to the University. (§ 2(2) of the admissions rules (Annex 1)). 2) The AC evaluates the submitted documents for both formal compliance and substantive compliance (§ 3 of the admissions rules). 3) An admission interview is conducted for candidates who meet the formal requirements. Candidates are advised by email of the time, place, and format of the interview. The AC chair checks the candidate's identity against a photo ID. The AC conducts the interview, evaluates the candidate's performance, and records the details in meeting minutes. 4) The AC assesses the candidates (a separate report is drawn up for each candidate) and compiles a list of admitted and rejected applicants (a collective report on the admissions process, which includes the scores earned by all candidates). Once signed by all AC members, this report is submitted to the Rector. 5) The Rector makes the final decision on whether to clear or reject individual candidates to the PUEB DS. 6) The competition results are publicly available. The Rector publishes the list of admitted PhD students on the PUEB website at https://ue.poznan.pl/doktoranci/szkola-doktorska/. Candidates are also notified of the results in writing, acknowledgment of receipt required. 7) Candidates who are denied admission may request a review of their case (to be submitted to the Rector within 14 days of being notified of the decision) or file an appeal with an administrative court (within 30 days of being notified of the decision). The overall admissions statistics since the 2019/2020 academic year are as follows:
- 293 individuals registered in the ORP, of whom 150 proceeded to the interview stage, - Out of these 150 candidates, 92, 16 of whom were international applicants, were admitted. - During the period in question, 6 appeals were filed, all of them processed within the required 30-day time limit. In 2 of the cases, partial merit was found in the appeal and the score increased (but it was not enough to pass the minimum score threshold required for admission). Candidate score distribution in the admissions process: - The average score earned by admitted candidates remains consistent from one year to the next. - The lowest arithmetic mean of scores and the lowest top scores were recorded in the first DS admission. - The median score for admitted candidates ranges between 65 and 70 out of 100. The PUEB DS ensures fair competition and equal treatment of candidates, including graduates from Polish and international universities as well as applicants with disabilities. All candidates: - Are subject to the same evaluation criteria (AC members listed as potential supervisors by a candidate are excluded from assessing that candidate). - International candidates unable to attend in person may participate remotely in an online interview. - All master's degrees are treated equally, regardless of the country or university of issuance. - Candidates with disabilities have their needs accommodated by the PUEB DS in consultation with the Rector's Representative for Persons with Disabilities.
Needs of the disabled The PUEB DS ensures that candidates with disabilities are adequately accommodated to participate in the DS admissions process. If assistance is required, the candidate may contact the Office for Persons with Disabilities. Candidates may also indicate any specific needs regarding the interview format. Interviews take place in buildings with full accessibility for individuals with mobility impairments. Verification the aptitude of candidates to do research The AC assesses candidates' aptitude for engaging in research through the following stages: 1) Candidates submit publications and documents documenting their academic achievements that are subsequently evaluated and discussed by AC members. 2) Candidates submit a thesis proposal on a standard form. The proposal is assessed by all AC members against the following criteria: research aim, research gap, methodology, literature, and originality of research proposal (each criteria is assessed 0-7 points). Mathematical means of AC members' scores are then calculated. 3) A 15-minute admission interview is conducted. The candidate presents a research proposal, followed by questions from AC members covering the proposal, theoretical knowledge, and familiarity with relevant theory and methodology. 4) AC members evaluate interview performance. A separate report is drawn up for each candidate, specifying the questions asked, responses given, and corresponding scores with

reasons. Mathematical means of committee members' scores are then calculated. 5) A separate report for each candidate summarising the entire evaluation process is prepared. A candidate must score at least 60 points to be admitted, including a minimum of 15 points for their thesis proposal.
Measures taken to improve the recruitment process Since the 2019/2020 academic year, PUEB DS Directors, the DS Council, members of the AC, and members of the International Advisory Board have reviewed the admissions process to identify areas for improvement and modified it as follows: – More points can now be earned for thesis proposal (35 points) and presentation (30 points), compared to the combined 25 points for both of the above in the past. – Points are no longer awarded for language certificates (previously worth 10 points), although English B2 level is still required from candidates.– Fewer points are awarded for aptitude assessment (down from 10 to 5 points per favourable assessment). – Modified thesis proposal form (more detailed sections, reduced word count limits). – Points are no longer awarded for participation in conferences. – Added criteria defining outstanding candidate achievements (applies to candidates not holding a master's degree). The above-mentioned changes were aimed at, among other things, clarifying the admission conditions and requirements for submitting documents, standardizing language requirements, and unifying formal requirements for foreigners. All modifications to admissions rules are reviewed by the DS Council and the Doctoral Student Council. The final decision on changes and new regulations are adopted by resolution of PUEB Senate.
Self-Assessment Strengths: - Clear and transparent admissions rules, as evidenced by few appeals and no administrative court complaints from candidates - Timely and accessible publication of admissions rules - Efficient organisation of the admissions process - A highly selective admission process, reflected in a low dropout rate Areas for improvement: - improving the functionality of the electronic admission application

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

Appointment and replacement of supervisors
Doctoral thesis supervisors at the DS are appointed by the Academic Advancement Board (AAB) in pursuance with the Rules of the PUEB DS (§2.12 and §2.13). Most thesis supervisors are academics who have supported candidates in developing their thesis proposals during the admissions process (a list of potential supervisors and their research interests is available on the DS's website).
The criteria that supervisors are required to satisfy are laid down in PUEB's internal rules (Senate Resolution 57 2020/2021, as amended). A supervisor must hold at least a second-degree doctorate (doktor hab.) or the title of professor. Alternatively, a supervisor may be an academic staff member from a foreign university or research institution, provided that the AAB recognises their significant achievements in the relevant field of research.
The supervisor appointment process consists of the following steps:
1. An admitted PhD student applies for the appointment of a supervisor (along with the proposed supervisor's written consent)2. The DS Office checks whether the proposed supervisor meets the required criteria3. The DS Council provides its opinion on the proposed supervisor4. The DS Director presents the issue at an AAB meeting5. The AAB votes on a resolution to appoint the supervisor (meeting minutes acknowledge the timely execution of the procedure)
Assistant supervisor appointment generally takes place concurrently with the appointment of primary supervisor. However, PhD students may also apply for the appointment of an assistant supervisor during the course of their studies, provided they submit a substantive justification for their request.
Procedure for changing a supervisor: A request to replace a supervisor may be submitted by a PhD student, the DS Director, or the AAB, either before or after the approval of the IRP. If the request is made after the IRP has been approved, it must be justified on academic grounds and require an update to the IRP, which must be cleared by the DS Council and the Rector. The supervisor replacement procedure follows a similar process as the initial appointment. Before presenting the matter to the AAB, the DS Director consults all concerned parties to ascertain the reasons for the request.
Ensuring high-quality collaboration between doctoral students and supervisors
Collaboration between PhD students and supervisors is a priority for PUEB's leadership. Every year, the DS Directors meet both newly admitted PhD students and their supervisors. These meetings provide information on rules of collaboration and the respective responsibilities of PhD students and supervisors.
The DS provides PhD students with mechanisms for reporting potential conflicts:- Directly to the DS Director,- Through course evaluation surveys completed for a given semester, which include evaluating doctoral seminars.
The DS Director mediates disputes and seeks to resolve conflicts through consultations with the concerned parties. If necessary, the Director may:- Initiate supervisor replacement if the conflict prevents the successful completion of the IRP,- Initiate the removal of a PhD student from the programme in the event the conflict (e.g., failure to interact with the supervisor) and the risk of failing to complete the IRP are attributed to the PhD student.
Ensuring proper conditions and support in the pursuit of the programme of studies or IRPs
PUEB provides PhD students with access to key infrastructure supporting education and research. This includes:- email services, - educational platforms (Moodle, MS Teams), - library collections—including academic publication databases and datasets supporting research, - research tools such as econometric and statistical software (Statistica, SPSS, Stata, OXMetrics), qualitative research tools (Atlas.ti), - data archiving, text editing, and presentation software (MS Office 365, MS Azure).
Training on the use of these tools is also provided.
Support in the pursuit of IRPs includes doctoral student research funding initiatives. Access to specialised research infrastructure (e.g., ConsumerLab, ShopLab, VR/AR Lab) is provided by the departments with which PhD students are affiliated.
PhD students have access to wellbeing spaces and other facilities in every university building. Students with disabilities may apply for support in accordance with Rector's Order 65/2021 and may submit proposals for expanding support measures to the Rector's Representative for Students with Disabilities.
Involvement of distinguished experts from outside the university
The DS engages external researchers to assist in teaching, research, and academic supervision. A key example is its collaboration with Prof. Ivo Bischoff of the University of Kassel, who has been teaching PhD students since 2021 and, in 2022, launched a joint research project that involved PhD students from PUEB SD and University of Kassel. Additionally, since 2022, DS has collaborated with Prof. Lubor Lacina of the University of Brno, who has reviewed IRP proposals of PhD students and participated in doctoral sessions in 2023 and 2024. Both professors serve on the International Advisory Board.
As part of the NAWA STER project (2024-2026), many activities involving foreign scientists were undertaken, including:- regular classes with visiting professors (two courses in 2024);- implementation of foreign internships (three completed in 2024);- appointing foreign supervisors (one in 2024, and another one pending);- foreign academic tutoring (four in progress). Currently, four external researchers serve as supervisors (two as assistant supervisors), including one from abroad.
Integrity of evaluation and quality enhancement of supervisors
Supervisors' performance is assessed using: 1. Semester-end surveys completed by PhD students, evaluating course and seminar quality2. Semester reports detailing interactions with supervisors and IRP progress3. 'The Together We Change PUEB' annual survey, allowing anonymous evaluation of interactions with supervisors (average score in 2024: 4.7/5)4. A final, comprehensive survey completed by PhD students after finishing their studies
Improvement measures include annual briefing sessions with supervisors, training (e.g., on mentoring), access to webinars, and supervisor participation in doctoral student sessions and conferences to foster experience-sharing and integrate the academic community
Self-Assessment
Strengths:- Early collaboration with supervisors at the research proposal planning stage before admission to the DS-

Transparent procedures for appointing and replacing supervisors- Multiple channels for gathering feedback on the quality of supervision- Active involvement of international researchers not only in teaching but also in doctoral research projects
Areas for improvement:- increasing the percentage of foreign supervisors- introduction of regular training for supervisors

6. Integrity of the mid-term evaluation process

Assessment criteria, objective principles, and their accessibility and clarity The principles governing mid-term assessment are specified in Attachment 1 to the Rules of the Doctoral School. As per the DS curriculum, interim evaluation is conducted at the end of the fourth semester, i.e. in September of the second year of study. The sole assessment criterion is the progress towards fully implementing the Individual Research Plan (IRP). An evaluation committee assesses this progress based on documentation submitted by the PhD student (including IRP progress report on the DS's standard form, signed by the PhD student and reviewed by the supervisor) and an interview with the PhD student.
The documentation used for the evaluation includes:- The IRP, as amended,- The IRP progress report reviewed by the supervisor,- Semester reports by the doctoral student reviewed by the supervisor (with opinions by the DS Director), - Minutes from research meetings in which the doctoral students present their research,- Documented participation in scholarly conferences, including presentation delivery,- Research papers (either published or submitted for publication),- Doctoral thesis chapters (for monograph theses),- Information on internships completed and scholarships awarded,- Academic transcript of records (showing grades earned),- Other relevant documents recognised by the PhD student.
PhD students are informed about the principles and role of the mid-term assessment at meetings with the DS directors. Such meetings are held promptly after DS admission and again several months before the evaluation. The second meeting specifically details the required documentation and the evaluation process.
Composition and powers of the Evaluation Committee
At the PUEB, evaluation committees are appointed objectively and impartially, individually for each PhD student. The following criteria apply:- The DS Director nominates candidates in consultation with the DS Council and PUEB Institute Directors,- The candidate selection considers the research field, publication record, and alignment of research interests with the thematic scope of the doctoral thesis of individual PhD students (tools such as the Reviewer Selection Support System (https://recenzenci.opi.org.pl/sssr-web/site/home) and bibliometric analysis are used),- No "in-house" committee member candidates (chair and one member) may be employed in the same department as the PhD student's supervisor.- Where possible, PUEB-sourced candidates should represent diverse institutes,- The DS Council reviews all candidates nominated by the DS Director at stage one of the review process,- The Vice-Rector for Research preliminarily approves all nominations at stage two of the review process,- Ultimately, the PUEB Rector formally appoints committee members and announces the committee's final composition in a communication.
Once appointed, the DS Directors hold an information meeting for committee chairs, which other members can attend. The aim is to familiarise committee members with the university's mid-term assessment procedures. Evaluation schedules and procedures
All assessments are held no later than the end of the fourth semester, i.e., 30 September of a given academic year. PhD students may request an earlier evaluation, subject to their supervisor's approval, provided they have completed all coursework required to conclude the fourth semester of studies. To date, no mid-term assessment has been delayed. The interview date is set by the committee chair in consultation with other committee members and communicated to the DS Office. Through the Office, the chair notifies the PhD student of the scheduled interview date via registered mail and university email at least 21 days in advance. Once the interview date has been confirmed, the PhD Student delivers the necessary documentation to the DS Office (3 weeks before the meeting, at the latest). The Office then provides full documentation to the committee members. Non-PUEB members may participate in the interview (central to the mid-term assessment) remotely, while in-house members and the doctoral PhD attend in person. Immediately following the interview with the PhD student, the committee finalises its assessment of the PhD student's progress on completing the IRP with due justification. The assessment is adopted in a resolution by open ballot vote. The chair drafts a committee meeting report in consultation with the other members. The full documentation is then submitted to the DS Office, which publishes a summary of the mid-term assessment results on the DS website. The DS Director notifies the Vice-Rector for Research about the assessment outcomes. The conclusion of the evaluation committee must be unambiguous and unconditional: the assessment can be positive or negative. The committee issues a negative evaluation if the IRP is not carried out on time and there is a high risk that the doctoral dissertation will not be completed on time. A positive assessment is issued if the committee considers that the IRP is carried out on time and there is no high risk of failure to submit the doctoral dissertation on time. If the IRP is not implemented on time, but the delays are insignificant, the doctoral student has explained their reasons, and there is no high risk of failure to complete the doctoral dissertation on time, the committee may also make a positive assessment.
Out of 52 mid-term assessments conducted at DS to date, only one (in 2023) was negative.
Integrity of PUEB's efforts to improve the evaluation process
Improvements to the assessment process have focused on technical aspects designed to streamline the procedure. One significant enhancement made in 2024 concerned the curriculum schedule for second-year PhD students. Specifically, the resit examination period was moved from September to July. This change aimed to improve the timely submission of documents to evaluation committees, particularly semester reports and the assessments by the DS Director. By completing any resit examinations earlier, PhD students can focus entirely on compiling their documentation and preparing for the mid-term assessment. This adjustment has eliminated the risk of delayed document submissions by PhD students undergoing resit examinations. Self-Assessment
Strengths:- Composition of evaluation committees tailored to the needs of each PhD student- Objective and impartial selection process for evaluation committee members through multi-stage verification- Timely execution of mid-term assessments- Efficient communication between the DS Office, evaluation committees, and PhD students
Areas for improvement:- involving international experts in the mid-term assessment process

7. Internationalization

Degree of internationalisation of academic staff
Ever since the PUEB DS was first established, its internationalisation has been a priority for PUEB leadership. This is reflected in the appointment of international professors to the Doctoral School Council. In the 2022/2023 academic year, with a view to enhancing international collaboration, the International Advisory Board for Doctoral Education Excellence was formed. Currently, the Board consists of 12 members (Chair – PUEB DS Director and 11 members representing 11 foreign universities from 8 countries). The Board members actively contribute to doctoral education, assess the curriculum, teach classes, advise on doctoral thesis proposals, and support thesis completion through academic tutoring.
Starting with the second edition (2020/2021), all doctoral student teaching is offered in English. This aims to make the programme accessible to international doctoral students and to increase foreign lecturer headcount. In the 2023/2024 academic year, four foreign lecturers taught classes, with a total of 42 teaching hours, accounting for approximately 10% of the programme of studies (excluding seminars). The classes were offered almost exclusively in person.
A key criterion for selecting academic staff is international engagement. The Doctoral School's lecturers pursue research at foreign institutions, participate in international research stays, organise international scholarly events, and attend international conferences. They also frequently collaborate with foreign authors on publications in international journals. Information about their international activities is gathered from their academic profiles (using PUEB's own database of academic achievements). Academics with outstanding international engagement are invited to teach specialised workshops for doctoral students, such as publication workshops, sharing experience on publishing articles in international journals and working on international research teams.
PUEB is also involved in projects supporting the international engagement of university staff, including projects:- Pursued as part of the RID programme: https://ue.poznan.pl/uniwersytet/ekonomia-w-obliczu-nowej-gospodarki/- Pursued as part of the IREG programme: https://ue.poznan.pl/uniwersytet/projekt-ireg/
Degree of internationalisation of the DS teaching and doctoral student research activities, particularly those conducted under IRPs, including academic mobility
Since the establishment of the PUEB DS, the adopted structure of the education process supported the mobility of PhD students. The programme spans four years, with 480 out of 550 hours (80%) of the coursework held in the first two years. The final two years are primarily dedicated to thesis preparation and international mobility.
In 2023, PUEB received funding under the third edition of the STER NAWA programme. Among other things, the project aims to increase the number of doctoral theses written in English, expand the number of courses taught by visiting foreign professors, and foster international cooperation through foreign tutoring programmes and international internships. Medium- and long-term research stays abroad (lasting over a month) are given priority, as they allow PhD students to establish direct contacts with international researchers. Before the launch of the STER project, only two PhD students had undertaken international research stays lasting more than a month. Thanks to the NAWA STER project, PhD students at the PUEB DS now receive structured support for partially conducting their research projects at foreign institutions. In the first year of the project implementation, five PhD students benefited from this support.
As part of the STER project, a foreign academic tutoring programme was also launched, enabling PhD students to consult their research activities aligned with their Individual Research Plans with foreign experts. The majority of doctoral students will have the opportunity to participate in online meetings (6-10 hours) with international scholars specialising in their specific fields. To further facilitate their involvement, a list of prospective foreign tutors from institutions collaborating with the DS has been released. In 2024, for the first time, PUEB took steps to conclude a co-tutelle agreement for an international PhD student and appointed an international supervisor for a PhD student. Apart from the STER project, PUEB also offers in-house funding schemes for PhD students, enabling them to secure funding for activities such as attending international conferences and publishing in international journals.
Consideration of the needs of international doctoral students in the doctoral education
At the end of the evaluation period, 62 doctoral students were enrolled at the DS. These included 9 international PhD students (11 when including those granted a deadline extension by the Rector for thesis submission). All classes are held exclusively in English, and international PhD students have access to the same courses as Polish candidates. Forms, application, and declaration templates are available in both Polish and English. Communication, including email correspondence, is conducted in English, and study rules and programmes are published in both languages. All briefings are held exclusively in English. As a result, international PhD students have full access to relevant information.The PUEB DS website features research profiles of the available supervisors, enabling international applicants to select research supervisors to assist them in preparing their doctoral thesis proposal (https://ue.poznan.pl/en/doctoral/supervisors/). Additionally, the website provides a guide for international applicants with practical details about living in Poland and studying at the PUEB DS, including information on the programme of studies, recruitment procedures, visa requirements, health insurance, accommodation options in Poznań, and more.
Methods of increasing the international visibility of the Doctoral School and their effectiveness
The international visibility of the PUEB DS is enhanced by doctoral students, through participation in international conferences, summer schools, research stays, etc. The International Advisory Board also plays a role in increasing visibility by facilitating the integration of doctoral students into international research teams.In addition, the DS gains recognition through its involvement in international initiatives such as EFMD Doctoral Programmes and the EUA-CDE (European University Association Council for Doctoral Education).Information dissemination efforts include promoting the programme to international applicants via foreign platforms (such as FindAPhD) and participating in international education fairs (alongside student study offers). Last year, the PUEB DS was showcased at international education fairs as part of the Study in Europe Fairs week in Ho Chi Minh City and Hanoi.The number of international applicants continues to grow every year. In the most recent admissions cycle (for the 2024/2025 academic year), a total of 63 international candidates registered in the online recruitment system (IRK). Nine international candidates were invited for interviews. Four of them were ultimately admitted,

representing over 25% of the total intake (15 candidates).
Self-Assessment
Strengths:- the programme delivered entirely in English- regularly engaged foreign lecturers- the International Advisory Board members' experience- the increasing number of international PhD students- the ongoing NAWA STER internationalisation project
Areas for improvement:- increasing the number of research projects carried out by PhD students in cooperation with foreign researchers and increasing the number of publications by PhD students with foreign co-authors- preparation of information for international newly admitted PhD students about the necessary actions after admission to the SD (the so-called on-boarding).

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	77 %	54 %	0 %
in the total number of doctoral students who completed their education at the doctoral school	71 %	50 %	0 %

Timeliness of completion of studies
Of the 9 PhD students who began their studies in 2019, 6 submitted their theses (3 of them were granted the approval for an extension of their thesis submission deadline). Among the 17 PhD students who started in 2020, 5 submitted their theses within the timeframe set in the programme schedule.
Percentage of graduates with a degree
All students from the first cohort who submitted their theses earn their PhD degrees. For those who commenced in 2020, as of the end of the evaluation period, 5 had submitted their theses (one had already received a degree).
Assessment of the quality of education
PhD students assess the quality of education through a final survey at the end of their studies. The average satisfaction score with education is 8.3 on a scale from 1 to 10. Highly rated aspects include collaboration with supervisors, the educational offer, and the extent of freedom granted when selecting thesis topics. Areas with lower ratings include access to research support tools and preparation for careers outside academia.
Career tracking for graduates
Career tracking is conducted through:- ELA reports- Internal surveys completed by graduates
While ELA reports shed light on employment status during doctoral studies, they still fail to offer insights on employment after completion. According to available data, some 82% of PhD students are employed while pursuing their studies. Our surveys provide additional details about employment (academic / non-academic). Data collection for the first cohort is currently underway.
Self-Assessment
Strengths:- A substantial percentage of the PhD students completing studies- 100% of successful defences (with a significant proportion of distinctions)- Progress in the article-based thesis format (many in international journals)- High score from graduates on their preparedness to pursue academic careers
Areas for improvement:- Activities resulting in a higher score in the field of preparation for non-academic careers

1. economics and finance

Achievement Description

1.Tomasz Kaczmarek – one-year foreign internship (USA) financed by the NAWA BEKKER grant and the Fulbright Junior Research Award Tomasz Kaczmarek completed a one-year research internship (01.08.2022–01.08.2023) at the University of Missouri, Trulaske College of Business, under the supervision of Prof. Kuntara Pukthuanthong. The stay was possible thanks to the scholarships:- NAWA Bekker Programme grant BPN/BEK/2021/1/00404/U/DRAFT/00001 (funded by the Polish National Agency for Academic Exchange)- the Fulbright Junior Research Award (Fulbright Poland, 2022-2023 edition). During the internship, the PhD student conducted research on the application of image analysis in financial markets, which resulted in two articles:- Just Look: Knowing Peers with Image Representation (co-authored by Kuntara Pukthuanthong)- Animating Stock Markets (co-authored by Kuntara Pukthuanthong) Both articles, exploiting in the research part machine learning techniques, reached the finals of the competition for the best scientific papers in the field of quantitative methods in asset management funded by PanAgora Asset Management's Quantitative Research Institute (Boston) - Crowell Prize Contest. Tomasz Kaczmarek has received an invitation to submit an article Just Look: Knowing Peers with Image Representation to the Journal Review of Financial Studies (5Y IF 9,5) as part of the dual submission to the NBER Conference (the article was submitted in early 2025). Tomasz Kaczmarek presented the results of research carried out during the internship at conferences such as: a) Northern Finance Association Meeting in Toronto, b) Midwest Finance Association Conference in Chicago, c) FutFin.Info Conference in Stockholm, d) 2023 Hong Kong Conference for Fintech, AI, and Big Data in Business and e) Conference of Financial Departments (KKF) in Poznań (2023), where he won the award for the best presentation of his paper entitled Animating Financial Markets.

2.Konstantinos Madias – NCN Preludium Grant (2023/49/N/HS4/01365) - Decoding Digital Pollution: Consumer Awareness, Motivations, and Behaviour towards Sustainable Digital Practices (implementation period: 16.01.2024-15.01.2026). Konstantinos Madias has received a grant financed by the Polish National Science Centre for the implementation of a project devoted to the so-called digital pollution. This is a significant problem arising from the fact that excessive use of the Internet contributes significantly to CO2 emissions, which requires action to promote sustainable digital practices. As part of the study, Konstantinos Madias analyzed the complex relationship between digital pollution and consumer behavior. The research included: 1) assessing consumer awareness and decision-making regarding digital pollution, 2) analysing the motives behind sustainable online behaviours in relation to VBN (values-belief-norm) theory, and 3) using a quasi-experiment to explore consumer preferences for energy-efficient digital options. The results will provide practical insights on how to promote environmentally friendly digital habits, fill knowledge gaps and shape strategies for a greener digital future. One of the goals of the project is to promote a more sustainable and responsible approach to Internet use that is in line with global environmental goals. By influencing changes in consumers' digital behaviour, policymakers, industry stakeholders and environmental defenders can develop effective strategies and interventions to reduce the environmental impact of Internet use and promote a sustainable digital world.
3.Cezary Brudka – NCN Preludium Grant (2021/41/N/HS4/02900) - Carbon footprints of urban households - the influence of the built environment and social, economic and cultural factors (implementation period: 17.01.2022-16.01.2025). The main objective of the project was to describe the relationship between the built environment, urban household consumption and their carbon footprint, in the context of other relevant socio-economic and socio-cultural factors. The project aimed to answer the question of how the built environment, combined with other relevant socio-economic and socio-cultural factors, affects urban household consumption and their carbon footprint. The project envisages two phases of research among urban households in the Poznań agglomeration. The first survey was conducted in autumn 2023 on a sample of over 1000 households selected in a stratified-random scheme. In response to the questionnaire, respondents provided information about their consumption, socio-economic and socio-cultural characteristics, and their living environment. From the collected data, the carbon footprint was calculated for each household in four domains of consumption – diet, housing, transport and consumption of other goods and services. In the further part of the study, a model will be built based on the collected data to explain the variability of the carbon footprint in four domains. The second study involved interviewing household members to identify the causal mechanisms through which the built environment can influence the behaviour of household members. The project's objectives were, among many others, to establish scientific collaboration with leading researchers in the field of ecological economics, to contribute to the literature on spatial planning and ecological economics, and to provide urban planners and households interested in their impact on the climate with knowledge that allows them to use it in practice.

4.Michał Hebdzyński: A scientific article titled: “Quality information gaps in housing listings: Do words mean the same as pictures?” in: Journal of Housing and the Built Environment [5Y IF 2,2] Hebdzyński, M. (2023). Quality information gaps in housing listings: Do words mean the same as pictures? Journal of Housing and the Built Environment, 38(4), 2399-2425. The paper is devoted to the issue of incomplete or defective information on the quality of apartments offered on the real estate market, which may disrupt the processes taking place on this market and affect the quality of data used for its analysis. The article thus refers to the theory of information asymmetry by G.A. Akerlof (1970).
The paper analyzes the offers of sale and rental of apartments in order to identify the types of qualitative signals and document the size and specificity of information gaps. Then, it was checked whether the textual quality signals (descriptions of apartments offered for sale or rent), processed using Wordscores – a supervised machine learning algorithm, were consistent with the visual quality signals. The signals turned out to be consistent in the case of 63-90% of the analyzed sales offers and for 71-83% of rental offers. For sales offers, the consistency of signals turned out to be greater in the case of offers placed by intermediaries, and in the case of rental offers – by owners. Finally, it was found that textual housing quality signals contained in often underused housing descriptions can be used to fill the information gaps detected. The article postulates the creation of central databases containing publicly available information on real estate transactions, which would increase the transparency of the market and enable its more accurate and effective monitoring.

5.Paweł Kropiński: A scientific article titled: “Uncertainty in Central and Eastern European markets. Evidence from Twitter-based uncertainty measures” in: Post-Communist Economies [5Y IF 2,2] Kropiński, P. (2024). Uncertainty in Central and Eastern European markets. Evidence from Twitter-based uncertainty measures. Post-Communist Economies, 36(3), 382-403. The study looks at the correlation between the uncertainty reflected in social media information and the behaviour of stocks in the markets in Central and Eastern Europe (CEE). Central and Eastern European markets have been largely overlooked in academic financial research linking online sentiment to investor decisions. The author uses vector autoregression (VAR) models in combination with the Granger causality method to investigate the impact of uncertainty measures based on information generated on the Twitter social network on the five main stock indices in the CEE region (indices: CROBEX - Croatia, PX - Czech Republic, BUX - Hungary, WIG - Poland and BET - Romania). The results show how economic recessions, political instability and natural disasters imply market fluctuations, highlighting a variety of regional responses. The results of the study confirm the hypothesis that measures of uncertainty based on information generated on Twitter are relatively effective in predicting future changes in financial markets (especially in times of political and economic turmoil), despite the low popularity of this platform in the countries of Central and Eastern Europe. The results also support the second hypothesis, according to which the US economic policy uncertainty index does not affect any of the CEE market indices analysed in this study. This study fills an important knowledge gap by providing valuable insights that can improve risk management strategies, increase investor awareness, and provide policymakers and supervisors with the tools to implement an early warning system that could help identify moments of increased market volatility, which could serve as an early warning system for potential market disturbances.

2. management and quality studies

Achievement Description

1.Kishokanth Jeganathan – NCN Preludium Grant (2021/41/N/HS4/02462) - Web Augemented Reality (WebAR) product presentation and its impact on consumer behaviour (implementation period: 13.01.2022-12.01.2025) Research shows that the inability to physically interact with a product and limitations in the perception of use make consumers less hesitant to purchase online. An interesting solution that can help consumers when shopping online is augmented reality (AR), which has quickly gained popularity. Research on AR has shown that it is a very promising way to increase purchases, brand recall, and product likes. Despite these results, AR has not been massively implemented, and marketing practitioners attribute this to the app download barrier that the user would have to go through. One way to overcome the barrier to downloading apps is through Web Augmented Reality (WebAR), a novel technology that allows the consumer to experience an AR product in a mobile browser without having to download an app The main objective of this research project was to evaluate the impact of WebAR on consumer behaviour. The research goals were:- Creating a WebAR website identical to the mobile application, which offers the possibility ofexperiencing products in AR technology.- Examining consumer acceptance of WebAR, with a questionnaire measuring app-based AR acceptance.- Exploring how interactions with a 3D model in AR can moderate the relationship betweenthe quality of the 3D model and the image of the product. Kihokanth's grant-connected work has been published in the Journal of Consumer Behaviour (IF 4.4), Technology in Society (IF 10.1), British Journal of Educational Technology (IF 6.7) and Food Quality and Preference (IF 4.9). The latest paper, "Exploring the Impact of Augmented Reality Marketing on Destination Visit Intentions: A Stimulus-Organism-Response Framework Analysis" will be published in the book chapter "Extended Reality in Culture and Creative Industries" by Emerald.

2.Marta Warsewicz - CEEPUS Grant (CIII-SK-0044) The CEEPUS grant (CIII-SK-0044) was awarded under the Central European Exchange Program for University Studies (CEEPUS), implemented by the OeAD – Austrian Agency for Education and Internationalization. The Polish National Agency for Academic Exchange (NAWA) also supported the participation. The grant enabled the PhD student's one-month research stay (from 1 to 30 June 2024) at the University of Natural Resources and Life Sciences Vienna (BOKU). During the mobility, research related to the doctoral dissertation was carried out under the supervision of Prof. Rainer Haas. Key activities included: a) the development of the concept of a doctoral dissertation (Challenges in last mile logistics resulting from the behaviour of mobile consumers. An approach using machine learning) and the Individual Research Plan in cooperation with Prof. Petra Riefler, b) consultations with university professors, c) contact with doctoral students and d) participation in open lectures. During individual meetings, research proposals were presented, and valuable comments were obtained, which allowed to clarify the main assumptions of the work. Participation in the open lecture "Creating Circularity for Critical Raw Materials", organised by the Institute of Social Ecology (ISEC), made it possible to expand knowledge about the circular economy, including issues related to "e-waste". In addition, contact was established with other PhD students, which allowed them to exchange experiences and discuss potential research projects. The possibility of using the library's resources allowed for the collection of important scientific materials and the analysis of previous doctoral dissertations, which became an inspiration for further research. During the mobility, language skills were also improved – both in English and German – through participation in meetings, reading literature and interaction with the international academic community. As part of the program, Marta participated in an integration meeting for students and young scientists organized by the Polish Embassy in Vienna. This meeting established new academic contacts and inspired future research projects. The result of the completed grant was not only the refinement of the concept of the scientific dissertation but, above all, the development of international scientific cooperation.

3.Levent Soyalp: Scientific article entitled: “How do emissions and distance influence the choice of eco-tourists?” in Anatolia-International Journal of Tourism and Hospitality Research [5Y IF 2,1]
Soyalp, L. (2024). How emissions and distance do influence the choice of eco-tourists? Anatolia, 1-15.
The growing importance of tourism in the economy raises the need to understand how information about the impact of tourism on the environment affects the sustainable choices of tourists. This study focuses on a relatively poorly researched area where information about carbon emissions and travel distances influences the eco-friendly choices of tourists in destinations at different intervals. Hypothetical dichotomous questions were used in three online surveys with 991 participants. The results indicate that carbon emissions and distance information positively influence preferences for environmentally friendly behaviour. Decisions in this area also depend on age, wealth and eating habits. Additionally, more available time can lead to less ecologically friendly choices. These results provide valuable insights for policymakers and stakeholders in the tourism industry as they strive to promote sustainable practices.
4. Arman Saleh Md: Scientific article entitled “Ethical Consumption: A Review and Research Agenda” w International Journal of Consumer Studies [5Y IF 8,6] Arman, S. M., & Mark-Herbert, C. (2024). Ethical Consumption: A Review and Research Agenda. International Journal of Consumer Studies, 48(5), e13079. https://doi.org/10.1111/ijcs.13079 The study consolidates the existing body of information on ethical consumption through a systematic literature review (SLR) using the SPAR-4-SLR methodology in combination with the ADO-TCM framework. The research was conducted using the Scopus and Web of Science databases, carefully selecting 125 publications related to ethical consumption between 2002 and 2023. A comprehensive descriptive analysis was then performed to identify the most significant gaps in the literature and propose directions for future research. The study's main objectives were to review the history and current state of research on ethical consumption, demonstrate the theoretical structure that emerges from the review, and present the possibilities for future research on ethical consumption behaviour. The study identified promising directions for future research grouped into the following areas:· Comparing ethical consumption practices on different continents· Assessing ethical consumption practices in the least developed countries· Development of a universal scale for research on ethical consumption· Implementing combined techniques to enrich the field of ethical

consumption· Assessment of the degree of consumer involvement in ethical consumption using big data
5.Anna Wiatr: Scientific article entitled “Hybrid Team Management: The Long and Winding Road” in Organizational Dynamics [5Y IF 3,1] Wiatr, A., & Skowron-Mielnik, B. (2023). Hybrid team management: The long and winding road. Organizational Dynamics, 52(1), 100936 The study addresses the challenges and key competencies in managing hybrid teams, connecting office workers working on-site and using digital communication. The research was conducted on the basis of interviews with managers in 2020–2021, which allowed the consideration of both the beginnings of hybrid work and the experience after a year of operating in this model. The authors present the REALM model, encompassing Relationships, Effective communication, Autonomy, Ego-free leadership, and Motivation through trust, as the foundations of effective management of hybrid teams. This model highlights the necessity of building trust, ensuring clear communication, and adapting management styles to team needs. It also underscores the leader’s role in creating a psychologically safe environment conducive to engagement and collaboration..

ATTACHMENTS

Added files

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

- Programme structure 2019-2020.pdf
- Programme structure 2020-2024.pdf
- Syllabuses ENG.pdf
- Report_major.pdf

Method of verifying learning outcomes for qualifications at PRK level 8

- ILO verification - ways ENG.pdf

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

- Economics and finance ENG.pdf
- Management and quality studies ENG.pdf

Quality of the recruitment process

- Terms of admission to the Doctoral School ENG.pdf
- Regulations DS ENG.pdf
- Competition Panel ENG.pdf

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

- Principles of conducting a mid-term assessment at the Doctoral School of the PUEB ENG.pdf
- Mid-term assessment_rector's committees appointment communiqués ENG.pdf

STATEMENTS

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

Signed by / Podpisano przez:

Marcin Mirosław Anholcer

Date / Data: 2025-03-12 14:36

Signature

AUTHORIZATIONS

Added files

0944_001.pdf

Resolution 84 (2018/2019)

of the Senate of the Poznań University of Economics and Business of 26 April 2019

on the establishment of educational programme

at the Doctoral School

of the Poznań University of Economics and Business

as of the academic year 2019/2020

Pursuant to Article 201.3-4 of the Law on Higher Education and Science of 20 July 2018; Article 291 of the Law on Transitional Provisions for the Law on Higher Education and Science of 3 July 2018; and §113c.2–4 of the Statute of the Poznań University of Economics, in open voting by 26 of the total of 33 statutory members, with 26 votes "in favour", the Senate has approved the education programme of the Doctoral School of the Poznań University of Economics and Business, as appended to this resolution, the appendix constituting an integral part hereof.

This resolution takes effect on the date of its adoption.

The vote tallying committee was composed of Dr. Eng. Marta Biegańska and Stanisław Garstecki.

The Senate meeting was chaired by:

R E C T O R

prof. dr hab. Maciej Żukowski, Full Professor at the Poznań University of Economics and Business

PROGRAMME OF STUDIES

OF THE DOCTORAL SCHOOL OF THE POZNAŃ UNIVERSITY OF ECONOMICS AND BUSINESS

as of the academic year 2019/2020

UNIWERSYTET EKONOMICZNY W POZNANIU

Poznań, April 2019

Contents

Introduction

The Doctoral School of the Poznań University of Economics and Business (PUEP) is operated by the Poznań University of Economics and Business.

The organisational framework of the Doctoral School and the requirements applying to prospective doctoral candidates are compliant with the Law on Higher Education and Science of 20 July 2018.

The education programme offered at the Doctoral School spans over eight semesters, preparing candidates to conduct research as well as write, submit and defend their doctoral dissertations.

Doctoral education at the PUEP Doctoral School concludes with the submission of a doctoral dissertation.

Doctoral dissertations may explore either of two disciplines of science: Economics and Finance or Management and Quality Science.

The programme of education complies with the Law on Higher Education and Science of 20 July 2018, the Polish Qualifications Framework – Level 8, as well as the European Charter for Researchers, Salzburg Principles (2005), Salzburg II Initiative (2010), and the Principles for Innovative Doctoral Training developed by ERA Steering Group and recommended in European Council Conclusions on the modernisation of higher education of 28 and 29 November 2011.

I. Basic information

1.1. Level of education

The education provided at the PUEP Doctoral School corresponds to Level 8 of the Polish Qualifications Framework.

The education programme ultimately leads to the submission of a doctoral dissertation.

1.2. Field of science and scientific disciplines

The PUEP Doctoral School educates and prepares doctoral students for the submission of a doctoral dissertation in either:

- Economics and Finance, or
- Management and Quality Science.

Both these disciplines belong to the field of social sciences.

1.3. Alignment of education programme with PUEB mission and strategy

The programme implements the PUEP Strategy in the areas of science (strategic objectives N1 and N2) and education (strategic objectives K1 and K1.2).

1.4. Admission requirements for candidates

A person seeking admission to the PUEB Doctoral School must have an M.A., M.Sc., or equivalent degree, as well as the qualities required for education in a doctoral school, in particular:

- cognitive curiosity,
- interest in economics, finance, management, or quality science,
- ability to identify research problems,
- involvement in research,
- initial progress in formulating the concept of the doctoral dissertation,
- command of English at a level not lower than B2 of the Common European Framework of Reference for Languages, in addition to fluent command of Polish.

II. Learning outcomes

The learning outcomes at the PUEB Doctoral School have been defined with reference to level 8 of the Polish Qualifications Framework.

Table 1. Learning outcomes

Symbol	Reference to the Polish Qualifications Framework – Level 8	LEARNING OUTCOMES at PUEB Doctoral School Graduates of the PUEB Doctoral School are expected to:
		KNOWLEDGE
K3_W01	P8S_WG	know and understand, to the degree enabling them to revise existing paradigms – the world heritage in the scope of the theoretical foundations, as well as the general matters and selected specific issues from the disciplines of science in which they conduct research
K3_W02	P8S_WG	know and understand the methodology of conducting research to the extent allowing them to formulate and resolve research problems by methods and tools appropriate to the given discipline of science
K3_W03	P8S_WG	know and understand the primary development trends of the disciplines of science they have selected
K3_W04	P8S_WG P8S_WK	know and understand economic, legal, and ethical determinants of research, the basic principles of the transfer of knowledge to the economic and social spheres, the commercialisation of research findings and the know-how resulting from them, as well as the rules of disseminating research finidings, also in the open-access mode
K3_W05	P8S_WK	know and understand the fundamental dilemmas of today's civilisation
		SKILLS
K3_U01	P8S_UW P8S_UO	be able to use knowledge for creative identification and formulation of scientific problems as well as offering innovative solutions to them, in particular: defining the objective and the subject of research, developing hypotheses and research methods and tools and using them creatively, interpreting research findings and drawing conclusions from them
K3_U02	P8S_UW P8S_UK	be able to critically analyse and assess research findings and their role in the development of science

K3_U03	P8S_UK	be able to communicate specialist issues to a degree enabling them to actively participate in the international research community and to disseminate research findings
K3_U04	P8S_UU	be able to independently acquire and develop their knowledge and skills, plan their own research development, and inspire and organise other people's development
K3_U05	P8S_UU	be able to plan classes or groups of classes using modern methods and tools
SOCIAL COMPETENCIES		
K3_K01	P8S_KK	be prepared to critically analyse the scientific development in their selected discipline of science, including their own contribution to its development
K3_K02	P8S_KO	be prepared to fulfil the social obligations of a researcher, think and act in an entrepreneurial manner
K3_K03	P8S_KR	be committed to upholding and developing the ethos of the research community, including conducting research independently and respecting the rule of the public ownership of research findings, with respecting to the protection of intellectual property rights

Meaning of symbols:

K3 – learning outcomes for qualifications at Level 8 of the PQF
W – category of knowledge
U – category of skills
K (after underscore) – category of social competencies
P8S – level 8 of the PQF, second-degree characteristics

Meaning of abbreviations (in compliance with PQF): descriptive category – aspects of fundamental significance

WG	– range and depth – completeness of cognitive perspective and correlations
WK	– context – determinants and results
UW	– application of knowledge – solved problems and performed tasks
UK	– communication – receiving and creating messages, dissemination of knowledge in the research environment, using a foreign language

UO – organisation of work – planning and participating in teamwork
UU – learning – planning self-development and development of other people
KK – assessment – a critical approach
KO – responsibility – fulfilment of social obligations and acting in public interest
KR – professional role – autonomy and development of work ethos

III. Organisation of education process at PUEB Doctoral School

3.1. Duration of studies at PUEB Doctoral School

Studies at the PUEB Doctoral School last 8 semesters.

3.2. Form of Education at PUEB Doctoral School

Education is offered on a full-time basis. Regular classes are held on weekdays, starting in the first week of the academic year. Classes conducted by visiting lecturers may be held on Saturdays or Sundays.

Class attendance is mandatory for all doctoral students.

3.3. Components of doctoral education

The education includes:

- Completion of the educational programme,
- Implementation of the individual research plan,
- Professional apprenticeship involving the teaching or co-teaching of classes.

3.4. Scope of the education programme

The programme encompasses learning:

- Critical study of scientific literature related to ongoing research,

- Research process design using appropriate methods and tools,
- Preparing publications,
- Preparing presentations and public speaking,
- Establishing research collaborations,
- Teaching classes.

Additionally, the programme of education includes support for doctoral students in acquiring transferable skills.

The programme of education includes:

- Mandatory courses,
- Elective courses,
- Doctoral seminars,
- PUEB doctoral student workshops with the presentation of the concept of the doctoral dissertation (2nd semester),
- Participation in a doctoral conference organised at UEP, with a presentation (4th semester),
- Mid-semester evaluation in the 4th semester,
- Professional apprenticeship.

Mandatory and elective courses take the form of lectures, classes (including computer laboratory), specialisation seminars, workshops and doctoral seminars.

Each semester features lectures and classes held for all doctoral students, e.g. the inauguration lecture at the start of an academic year (odd semesters), presentations in the series " PUEB's Best Doctoral Dissertations", library training (databases, bibliography management tools), training in organising and funding research, lectures by visiting lacturers, workshops developing transferable skills, the conference of the PUEB doctoral students (4th semester).

Elective courses:

- In the 2nd semester: Two specialisation lectures to be selected accordingly to the subdiscipline covered by the doctoral dissertation. Options include Advanced Financial Economics, Advanced Macroeconomics, Advanced Microeconomics, Advanced Quality science, and Advanced Management. A doctoral student selects two courses.
- In the 3rd semester: a selection of publication workshops accordingly to the subdiscipline covered by the doctoral dissertation.
- In the 4th semester: a specialisation seminar in Economics, Finance, Quality Science, Management Science. Seminars are held in 10-hour blocks, the demand for a particular

block is determined based on the subjects of the doctoral dissertations and the availability of visiting lecturers. A doctoral student selects two seminars.

- In the 6th semester: A specialisation seminar in the same areas, again in 10-hour blocks; and the demand for a particular block is determined based on the subjects of the doctoral dissertations and the availability of visiting lecturers. A doctoral student selects one seminar.

The doctoral seminar begins in the first semester as a 4 hours course. From the second semester onwards, the seminar comprises 10 hours per semester.

Supervisor(s) are appointed by the PUEB Academic Advancement Board within three months after a doctoral student starts education.

Within 12 months from the beginning of education, a doctoral student is obliged to submit an individual research plan. The research plan for the doctoral dissertation should be submitted during the doctoral student session held at PUEB (2nd semester).

In the 4th semester, a doctoral student participates in the conference of doctoral students held at PUEB and presents their own article (a presentation and the submitted text of the article).

The implementation of the individual research plan is subject to a mid-term evaluation at half of the education process, i.e. at the end of the 4th semester.

The ECTS grading scale includes mandatory and elective courses. The total number of instruction hours forming part of the education programme corresponds to ECTS score 46 and the overall number of 549 instruction hours. The number of hours for each type of course is shown in Table 2.

Table 2. Number of instruction hours and ECTS score

Course type	Instruction hours	ECTS score
Mandatory courses	289	24
Elective courses	186	14
Doctoral Seminar	74	8
TOTAL	549	46

Upon completion and submission of exams in all courses covered by the education programme students are graded on the following grading scale (Table 3).

Table 3. Grading scale

Grade	Polish abbreviation	Numerical grade	Letter	Score
Very good	bdb	5,0	**A**	90-100
Good plus	db pl	4,5	**B**	82-89
Good	db	4,0	**C**	73-81
Satisfactory plus	dst pl	3,5	**D**	64-72
Satisfactory	dst	3,0	**E**	55-63
Poor	ndst	2,0	**F**	54 and fewer

3.5. Independent research outcomes

The outcomes of research conducted independently are:

- research publications,
- research projects,
- participation in research projects,
- participation in conferences,
- submitted doctoral dissertation.

3.6. Duration of professional apprenticeship

Doctoral students are required to complete professional apprenticeship that involves conducting or co-conducting classes for the following number of hours: 1st year – 0 hours, 2nd year (4th semester) – 15 hours, 3rd year – 15 hours, 4th year – 15 hours.

IV. Curriculum of studies

4.1. Curriculum

The curriculum, broken down into years and semesters, is shown in the tables below. The tables also include the number of hours, ECTS score, class types, and the form of credit.

Table 4. Curriculum

No.	Course	Hours	1st year 1							
			1st semester				2nd semester			
			ECTS	L	C	Form of credit	ECTS	L	C	Form of credit
1	Applied Statistics	45	3	15	30	E				
2	Applied Econometrics	30	2		30	P				
3	History and Methodology of Economic Sciences	30	2	30		E				
4	Publishing Workshops 1	8	1		8	P				
5	Research Design 1	12	1		12	P				
6	Joint Lectures and Classes	20	1	12		P (no grade)	1	8		P (no grade)
7	Methods of Quantitative and Qualitative Research	30					2		30	P
8	Research Design 2 + Doctoral Workshop	16					2		16	P
9	Elective Specialisation Courses (2)*	84					6	60	24	P
10	Doctoral Seminar	14	1		4	P	1		10	P
Total in the semester			11	57	80	E(2), P (3), P no grade (1)	12	68	80	P(5), P no grade (1)
Total in the academic year		289	141				148			
Number of examinations in the academic year							2			

*) Doctoral dissertations in the field of economics (course: l30/c12; 3 ECTS): advanced macroeconomics and advanced microeconomics
Doctoral dissertations in finance (course: l30/c12; 3 ECTS): advanced financial economics and advanced macroeconomics or advanced microeconomics
Doctoral dissertations in management science (course: l30/c12; 3 ECTS): advanced microeconomics and advanced management
Doctoral dissertations in quality science (course: l30/c12; 3 ECTS): advanced quality science and advanced management or advanced microeconomics

No.	**Course**	**Hours**	**2nd year**							
			3rd semester				**4th semester**			
			ECTS	**L**	**C**	**Form of credit**	**ECTS**	**L**	**C**	**Form of credit**
1	Elective Specialisation Courses (2)**	60	4		60	P				
2	Publication Workshop 2***	12	1		12	P				
3	Introduction to Teaching	12	1		12	P				
4	Joint Lectures and Classes	26	1		10	P (no grade)	1		16	P (no grade)
5	Doctoral Seminar	20	1		10	P	1		10	P
6	Elective Specialisation Seminar (2)****	20					2		20	Z
7	Professional Apprenticeship									P (no grade)
Total in the semester			8		104	P(4), P no grade (1)	4		46	P(3), P no grade (2)
Total in the academic year		150	104				46			
Number of examinations in the academic year							0			

** Two courses to choose from (c30/2 ECTS): advanced statistics, advanced econometrics, qualitative research methods, data science, research methods in quality science

*** Two workshops to choose from (c6), conducted by journal editors or authors of publications in the fields of: economics, finance, management sciences, quality science

**** An offer prepared on the basis of the themes of doctoral dissertations, with the following fields to choose from (c10/ 1 ECTS): economics, finance, management sciences, quality science

No.	**Courses**	**Hours**	**3rd year**							
			5th semester				**6th semester**			
			ECTS	**L**	**C**	**Form of credit**	**ECTS**	**L**	**C**	**Form of credit**
1	Research Ethics and Intellectual Property	12	1	12		P				
2	Philosophy of Science	16	1	16		P				
3	Joint Lectures and Classes	16	1		8	P (no grade)	1		8	P (no grade)
4	Doctoral Seminar	20	1		10	P	1		10	P
5	Elective Specialisation Seminar (1)****	10					1		10	P
6	Professional Apprenticeship									P (no grade)
Total in the semester			4	28	18	P(3), P no grade (1)	3	0	28	P(2), P no grade (2)
Total in the academic year		74	46				28			
Number of examinations in academic year							0			

***** Optional, Offer Prepared Based on the Topic of Doctoral Dissertations in the Field of (C 10/1 ECTS): Economics, Finance, Management Sciences, Quality science.

No.	Courses	Credits	Year 4							
			Semester 7				Semester 8			
			ECTS	W	C	Form of credit	ECTS	W	C	Form of credit
1	Lectures and Joint Classes	16	1		8	P (no grade)	1		8	P (no grade)
2	Doctoral Seminar	20	1		10	P	1		10	P
3	Professional apprenticeship									P (no grade)
Total in semester			2	0	18	P(1), P no grade(1)	2	0	18	P(1), P no grade (2)
Total in academic year		36	18				18			
Number of examinations in academic year n							0			

Table 5. Elective courses

No.	Course	Hours	ECTS
2nd semester			
1	Advanced Financial Economics	42	3
2	Advanced Macroeconomics	42	3
3	Advanced Microeconomics	42	3
4	Advanced Quality Science	42	3
5	Advanced Management	42	3
3rd semester			
1	Data Science	30	2
2	Advanced Econometrics	30	2
3	Qualitative Research Methods	30	2
4	Research Methods in Quality Science	30	2
5	Advanced Statistics	30	2
6	Publication Workshop 2	12	1
4th semester			
1	Elective Specialisation Seminar (2)	20	2
6th semester			
1	Elective Specialisation Seminar (1)	10	1

4.2. Courses and proposed teaching faculty assignments

Tabela 6. Course assignments

No.	Course	ECTS	Hours	Semester	Teacher
1.	Data Science	2	30	3	prof. dr hab. Witold Abramowicz, dr Agata Filipowska, dr Milena Stróżyna, dr Krzysztof Węcel
2.	Applied Econometrics	2	30	1	dr hab. Paweł Kliber
3.	Advanced Econometrics	2	30	3	prof. dr hab. Małgorzata Doman, dr hab. Agata Kliber, PUEB Professor, dr hab. Barbara Będowska-Sójka, PUEB Professor
4.	Advanced Financial Economics	3	30(l), 12(c)	2	dr hab. Agata Kliber, PUEB Professor, dr hab. Paweł Marszałek, PUEB Professor, dr hab. Jacek Mizerka, PUEB Professor
5.	Research Ethics and Intellectual Property Protection	1	12	5	prof. dr hab Zenon Foltynowicz, dr hab. Barbara Pogonowska, PUEB Professor
6.	Philosophy of Science	1	16	5	dr hab. Andrzej W. Nowak, AMU Professor
7.	History and Methodology of Economic Sciences	2	30	1	prof. dr hab. Marian Gorynia, prof. dr hab. Marek Ratajczak
8.	Specialisation Seminar, in 10-hour blocks: Economics, Finance, Quality Science, Management	2	20	4	Vacancy (staff selected based on substantive needs of doctoral students according to their dissertation topics, lecturers from outside PUEB)
9.	Advanced Macroeconomics	3	30(l), 12(c)	2	dr hab. Michał Konopczyński, PUEB Professor, dr hab. Piotr Maćkowiak, PUEB Professor, dr hab. Ewa Mińska-Struzik, PUEB Professor, dr Michał Pilc
10.	Quantitative and Qualitative Research Methods	2	30	2	dr hab. Sylwester Białowąs, PUEB Professor, dr hab. Maciej Ławrynowicz, PUEB Professor, dr hab. Iwona Olejnik, PUEB Professor, vacancy

11.	Qualitative Research Methods	2	30	3	dr hab. Iwona Olejnik, PUEB Professor, dr Andrzej Szymkowiak, dr Bartłomiej Pierański, vacancy
12.	Advanced Research Methods in Quality Science	2	30	3	dr hab. Alfred Błaszczyk, PUEB Professor, prof. dr hab. inż. Ryszard Cierpiszewski, prof. dr hab. inż. Anna Gliszczyńska-Świgło, dr hab. inż. Daniela Gwiazdowska, PUEB Professor, dr hab. inż. Inga Klimczak, dr hab. Krzysztof Melski, PUEB Professor, dr hab. inż. Katarzyna Pawlak-Lemańska, dr hab. inż. Urszula Samotyja, PUEB Professor, dr hab. Ewa Sikorska, PUEB Professor, dr hab. inż. Patrycja Wojciechowska
13.	Advanced Microeconomics	3	30(l), 12(c)	2	dr hab. Sławomir Kalinowski, PUEB Professor, prof. dr hab. Krzysztof Malaga
14.	Advanced Quality Science	3	30(l), 12(c)	2	dr hab. inż. Magdalena Ankiel, PUEB Professor, prof. dr hab. inż. Ryszard Cierpiszewski, dr hab. inż. Alina Matuszak-Flejszman, PUEB Professor, dr hab. inż. Wojciech Zmudziński, prof. nadzw. PUEB, vacancy
15.	Research Design 1	1	12	1	prof. dr hab. Jan Szambelańczyk, dr hab. Beata Stępień, PUEB Professor
16.	Research Design 2	1	16	2	dr hab. Beata Stępień, PUEB Professor, dr hab. Katarzyna Szarzec, PUEB Professor, vacancy
17.	Introduction to Teaching	1	12	3	dr Anna Wach (Chair of Education and Human Resources Development)
18.	Doctoral Seminar	8	74	1,2,3,4,5, 6,7,8	Dissertation supervisors
19.	Applied Statistics	3	15(l), 30 (c)	1	dr hab. Grażyna Dehnel, PUEB Professor, dr Maciej Beręsewicz, dr Marcin Szymkowiak
20.	Advanced Statistics	2	30	3	prof. dr hab. Elżbieta Gołata, dr Marcin Szymkowiak, vacancy
21.	Publishing Workshop 1	1	8	1	dr hab. Beata Stępień, PUEB Professor, vacancy
22.	Publishing Workshop 2	1	12	2	dr hab. Barbara Jankowska, PUEB Professor, lecturers from outside PUEB, vacancy

23.	Joint Lectures and Classes	8	78	1,2,3,4,5, 6,7,8	Vacancy, lecturers from outside PUEB, mgr Dorota Wojewoda (PUEB Library)
24.	Advanced Management	3	30(l), 12(c)	2	dr hab. Milena Ratajczak-Mrozek, PUEB Professor, dr Maja Sajdak

4.3. Proposed doctoral disertation supervisors

Doctoral dissertation supervisors may be any independent members of PUEB faculty having the knowledge and skills necessary to supervise a doctoral dissertation on a specific topic.

Assistant supervisor may be a person with a doctoral degree, employed at PUEB or another research institution having the knowledge and skills necessary to supervise a doctoral dissertation on a specific topic.

4.4. Requirements for graduation from PUEB Doctoral School

Pursuant to Article 204.1 of the Law on Higher Education and Science of 20 July 2018, a doctoral student completes their education with the submission of the doctoral dissertation.

V. Appendices

Course curricula (Appendix 1)

Learning outcome matrix (Appendix 2)

Assessment of learning outcomes (Appendix 3)

POZNAŃ UNIVERSITY OF ECONOMICS AND BUSINESS

PROGRAMME

OF THE DOCTORAL SCHOOL AT POZNAŃ UNIVERSITY OF ECONOMICS AND BUSINESS

as of the academic year 2020/2021

Poznań, 24 January 2020

Contents

Introduction

The PUEB Doctoral School is operated by Poznań University of Economics and Business.

The organisational solutions adopted by the Doctoral School and the requirements for the future doctoral students comply with the Law on Higher Education and Science of 20 July 2018.

Education at the Doctoral School lasts for 8 semesters and prepares the doctoral students for conducting research, writing doctoral dissertations, their submission and defence.

The educational process at the PUEB Doctoral School ends with the submission of the doctoral dissertation.

Doctoral dissertations may be written in two disciplines of science: economics and finance, or management and quality science.

The programme of education complies with the Law on Higher Education and Science of 20 July 2018, the Polish Qualifications Framework – Level 8, as well as with the following documents: Polish Charter for Researchers, *Salzburg Principles* of 2005, Salzburg II Initiative of 2010, also "the Principles for Innovative Doctoral Training" prepared by ERA Steering Group and recommended in the European Council Conclusions on the modernisation of higher education of 28 and 29 November 2011.

I. Basic information

1.1. Level of education

Education at the PUEB Doctoral School corresponds to level 8 of the Polish Qualifications Frameworks.

1.2. Defining the field and discipline of science

The PUB Doctoral School educates and prepares doctoral students for the submission of doctoral dissertations in one of the two disciplines:

- economics and finance,
- management and quality science.

Both these disciplines belong to the area of social sciences.

1.3. Relationship of the education programme with the PUEB mission and strategy

The programme implements the PUEB Strategy in the area of research (strategic objectives N1 and N2) as well as in the area of education (strategic objective K1, specific objective K1.2).

1.4. Preliminary requirements for candidates

A person applying for the admission to the PUEB Doctoral School must have the M.A., M.Sc. , or an equivalent degree, as well as the qualities required for education in a doctoral school, in particular:

- cognitive curiosity,
- interest in economics, finance, management, or quality science in a broad sense,
- ability to notice problems in the fields of economics, finance, management or quality science,
- participation in research or research and development projects during or after studies,
- knowledge of English at a level not lower than B2 of the Common European Framework of Reference for Languages.

II. Learning outcomes

The learning outcomes at the PUEB Doctoral School have been prepared with reference to level 8 of the Polish Qualifications Framework.

Table 1. Learning outcomes

Symbol	Reference to the Polish Qualifications Framework – level 8	DESCRIPTION OF THE LEARNING OUTCOMES at the PUEB Doctoral School A graduate of the PUEB Doctoral School:
		KNOWLEDGE
K3_W01	P8S_WG	knows and understands to the degree enabling them to revise the existing paradigms – the world heritage in the scope of the theoretical foundations, as well as the general matters and selected specific issues from the disciplines of science in which they conduct research
K3_W02	P8S_WG	knows and understands the methodology of conducting research to the degree allowing them for formulating and solving research problems by means of methods and tools specific for the disciplines of science they have selected
K3_W03	P8S_WG	knows and understands the primary development tendencies of the disciplines of science which are the subject of their education
K3_W04	P8S_WG P8S_WK	knows and understands economic, legal and ethical determinants of research, the basic principles of the transfer of knowledge to the economic and social sphere, the commercialisation of research findings and the know-how resulting from them, as well as the rules of the dissemination of research findings, also in the open-access mode
K3_W05	P8S_WK	knows and understands the fundamental dilemmas of today's civilisation
		SKILLS
K3_U01	P8S_UW P8S_UO	can use their knowledge for creative identification and formulation of scientific problems as well as offering innovative solutions to them, in particular: defining the objective and the subject of research, developing research methods and tools and using them creatively, interpreting research findings and drawing conclusions from them
K3_U02	P8S_UW P8S_UK	can critically analyse and assess research findings and their role in the development of science
K3_U03	P8S_UK	can communicate specialist issues to the degree enabling them to actively participate in the international research community and to disseminate research findings
K3_U04	P8S_UU P8S_UO	can independently develop their knowledge and skills, plan their own research development, as well as inspire and organise other people's development
K3_U05	P8S_UU	can plan classes or groups of classes using modern methods and tools

		SOCIAL COMPETENCIES
K3_K01	P8S_KK	is ready to critically analyse the scientific development in their selected discipline of science, including their own contribution to its development
K3_K02	P8S_KO	is ready to fulfil the social obligations of a researcher, think and act in an entrepreneurial way
K3_K03	P8S_KR	is ready to uphold and develop the ethos of the research community, including conducting research independently and respecting the rule of the public ownership of research findings, with respect to the protection of intellectual property

Meanings of symbols:

K3 – learning outcomes for qualifications at level 8 PQF
W – category of knowledge
U – category of skills
K (after underscore) – category of social competencies
P8S – level 8 of the Polish Qualifications Framework (PQF), the second degree characteristics

Meanings of the acronyms (in compliance with PQF)*:* descriptive category – aspects of basic significance

WG – range and depth – completeness of cognitive perspective and correlations
WK – context – determinants, results
UW – application of knowledge – solved problems and performed tasks
UK – communication – receiving and sending messages, dissemination of knowledge in the research environment, using a foreign language
UO – organisation of work – planning and participating in teamwork
UU – studying – planning self-development and development of other people
KK – assessment – a critical approach
KO – responsibility – fulfilment of social obligations and acting in the public interest
KR – professional role – autonomy and development of the work ethos

III. The organisation of the education process at the PUEB Doctoral School

3.1. Duration of education at the PUEB Doctoral School

Education at the PUEB Doctoral School lasts for 8 semesters.

3.2. Form of education at the PUEB Doctoral School

Education takes a full-time form. Regular classes are held on weekdays, starting from the first week of the academic year. Classes run by visiting lecturers may be held on Saturdays or Sundays.

Participation in classes is obligatory for all doctoral students.

Classes are conducted in English, with the exception of the cycle of education which started in the academic year 2019/2020. If all the participants of a given education cycle speak Polish, classes can be run in Polish. The decision on the language of instruction is made by the Director of the Doctoral School.

3.3. Elements of doctoral education

The education includes:

- implementation of the education programmes,
- implementation of the individual research plan,
- professional apprenticeship in the form of conducting or co-conducting classes.

3.4. Scope of the programme of education

The programme includes the following elements:

- critical study of research literature,
- designing research and selection of adequate research methods and tools,
- preparation of publications,
- preparation of presentations and public speaking,
- ability to establish research contacts,
- conducting classes.

Moreover, the programme of education includes support for doctoral students in acquiring so-called transferable skills.

The programme of education includes:

- mandatory courses,
- elective courses, which – having been selected – are mandatory for a doctoral student,
- doctoral seminars,
- doctoral workshops with the presentation of the concept of the doctoral dissertation as a part of the course 'Planning research projects2' (2nd semester),
- participation and delivering a paper at a conference of doctoral students organised at PUEB (4th semester),
- mid-semester evaluation in 4th semester,
- professional apprenticeship.

The mandatory and elective courses are conducted in the forms of lectures, classes (including a computer laboratory), specialisation seminars, workshops and doctoral seminars.

In each semester there are lectures and classes held for all the doctoral students of a given year or different years, aimed at integrating the community of doctoral students, e.g. the inauguration lecture at the beginning of an academic year (odd semesters), presentations from the cycle "The Best Doctoral Dissertations at PUEB", library training (databases, software for bibliography management), training in organising and financing research, lectures by visiting lecturers, workshops developing the so-called transferable skills, the conference of the PUEB doctoral students (4th semester).

The elective subjects include:

- in the 2nd semester – two specialty courses, to be selected with reference to the subdisciplines covered by the doctoral dissertation: advanced financial economics, advanced macroeconomics, advanced microeconomics, advanced quality science and advanced management. A doctoral student selects two courses.
- In the 3rd semester – a selection of publication workshops in relations to the subdiscipline covered by the doctoral dissertation.
- In the 4th semester – a specialty seminar in the following areas: economics, finance, quality science, management science – in 10-hour blocks; the demand for particular blocks is based on the subjects of the doctoral dissertations and the availability of visiting lecturers. A doctoral student selects 2 seminars.
- In the 6the semester – a specialty seminar in the following areas: economics, finance, quality science, management science – in 10-hour blocks; the demand for particular blocks is based on the subjects of the doctoral dissertations and the availability of visiting lecturers. A doctoral student selects 1 seminar.

The doctoral seminar starts in the first semester as a 5-hour course. From the second semester, the seminar consists of 10 hours in a semester.
The research supervision over the preparation of the doctoral dissertation is exercised by a supervisor, or supervisors, or by a supervisor and an auxiliary supervisor. The supervisor or supervisors are appointed by the PUEB Academic Advancement Board in the period of 3 months after a doctoral student starts education.

Within 12 months from the beginning of education, a doctoral student is obliged to submit an individual research plan. The research plan as a part of the preparation for the doctoral dissertation should be submitted during the course "Designing research 2", which includes doctoral workshops (2nd semester).

During the 4th semester, a doctoral student takes part in the conference of doctoral students organised at PUEB and presents their own article (a presentation and the submitted text of the article).

The implementation of the individual research plan is subject to a mid-term evaluation at half of the education process, i.e. in the 4th semester.

The ECTS grading scale includes mandatory and elective courses, as well as seminars. The total number of classes which are part of the education programme corresponds to the ECTS score 46 and the overall number of 550 instruction hours. The number of hours of the particular groups of courses and the doctoral seminar is shown in table 2.

Table 2. Number of instruction hours and ECTS score

Type	Number of hours	ECTS score
Mandatory courses	289	24
Elective courses	186	14
Doctoral Seminar	75	8
TOTAL	550	46

Credits and exams in all the subjects covered by the education programme are graded in accordance with the following grade scale (Table 3)

Table 3. Grade scale

Grade	**PL-Abbr.**	**Number**	**Letter**	**Score**
Very good	bdb	5,0	**A**	90-100
Good plus	db pl	4,5	**B**	82-89
Good	db	4,0	**C**	73-81
Satisfactory plus	dst pl	3,5	**D**	64-72
Satisfactory	dst	3,0	**E**	55-63

Poor	ndst	2,0	**F**	54 and fewer

3.5. Results of independent research

The core results of the research conducted independently by doctoral students are:

- Research publications,
- Research or research and development projects; it is desirable that each doctoral student submit a research project application,
- Participation in research projects,
- Participation in conferences,
- Written and submitted a doctoral dissertation.

3.6. The required length of professional apprenticeship

Doctoral students are required to undergo a professional apprenticeship in the form of conducting or co-conducting classes for the following number of hours: I year 0 hour, II year (3rd or 4th semester) – 15 hours, III year – 15 hours, IV year – 15 hours.

IV. The curriculum of studies at the PUEB Doctoral School

4.1. Curriculum

The tables below show the curriculum divided into years and semesters. They also include the number of hours, ECTS score, the form of classes and the form of credit.

Table 4. Curriculum

No.	Courses	Hours	I year							
			1st semester				2nd semester			
			ECTS	L	C	form of credit	ECTS	L	C	form of credit
1	Applied statistics	45	3	15	30	E				
2	Applied econometrics	30	2		30	P				
3	History and methodology of economic sciences	30	2	30		P				
4	Publishing workshops1	8	1		8	P				
5	Designing research1	12	1		12	P				
6	Joint lectures and classes	20	1	12		P (no grade)	1	8		P (no grade)
7	Methods of quantitative and qualitative research	30					2		30	P
8	Designing research2+doctoral workshops	16					2		16	P
9	Elective specialty courses (2)*	84					6	60	24	P
10	Doctoral seminar	15	1		5	P	1		10	P
Total in the semester			11	57	85	E(2), P(4), P no grade(1)	12	68	80	P(4), P no grade (1)
Total in the academic year		290	142				148			
Number of examinations in the academic year							2			

* Doctoral dissertations in the field of economics (course l30/c12; 3ECTS): advanced macroeconomics and advanced microeconomics

Doctoral dissertations in the field of finance (course: l30/c12; 3ects): advanced financial economics and advanced macroeconomics or advanced microeconomics

Doctoral dissertation in the field of management science (course l30 c/12; 3ECTS): advanced microeconomics and advanced management

Doctoral dissertations in the field of quality science (course l30 / c12; 3ECTS): advanced quality science and advanced management or advanced microeconomics

No.	Courses	Hours	II year							
			3rd semester				Semester 4.			
			ECTS	L	C	form of credit	ECTS	L	C	form of credit
1	Elective specialty courses(2)**	60	4		60	P				
2	Publishing workshop2***	12	1		12	P				
3	Introduction to academic teaching	12	1		12	P				
4	Joint lectures and classes	26	1		10	P (no grade)	1		16	P (no grade)
5	Doctoral seminars	20	1		10	P	1		10	P
6	Elective specialty seminars (2)****	20					2		20	P
7	Professional apprenticeship									P (no grade)
Total in the semester			8		104	P(4), P no grade(1)	4		46	Z(2), Z no grade (2)
Total in the academic year		150	104				46			
Number of examinations in the academic year							0			

** two courses to choose from (l30 / 2 ECTS): advanced statistics, advanced econometrics, qualitative research methods, data science, research methods in quality science.

*** two workshops to choose from (l6), conducted by journal editors/publishing authors from the fields: economics, finance, management science, quality science.

**** an offer prepared on the basis of the themes of doctoral dissertations, with the following fields to choose from (c10 / 1 ECTS): economics, finance, management science, quality science.

No.	Courses	Hours	III year							
			5th semester				6th semester			
			ECTS	L	C	form of credit	ECTS	L	C	form of credit
1	Research ethics and intellectual property	12	1	12		P				
2	Philosophy of science	16	1	16		P				
3	Joint lectures and classes	16	1		8	P (no grade)	1		8	P (no grade)
4	Doctoral seminar	20	1		10	P	1		10	P
5	Elective specialty seminar (1)****	10					1		10	P
6	Professional apprenticeship									P (no grade)
Total in the semester			4	28	18	P(3), P no grade(1)	3	0	28	P(2), P no grade (2)
Total in the academic year		74	46				28			
Number of examinations in the academic year							0			

**** an offer prepared based on the themes of doctoral dissertations, with the following fields to choose from(C 10 / 1 ECTS): economics, finance, management science, quality science.

No.	Courses	Hours	IV year							
			7th semester				8th semester			
			ECTS	L	C	form of credit	ECTS	L	C	form of credit
1	Joint lectures and classes	16	1		8	P (no grade)	1		8	P (no grade)
2	Doctoral seminar	20	1		10	P	1		10	P
3	Professional apprenticeship									P (no grade)
Total in the semester			2	0	18	P(1), P no grade(1)	2	0	18	P(1), P no grade (2)
Total in the academic year		36	18				18			
Number of examinations in the academic year							0			

Table 5. Elective courses

No.	Course	Number of hours	ECTS
2 nd semester			
1	Advanced financial economics	30 (L), 12 (C)	3
2	Advanced macroeconomics	30 (L), 12 (C)	3
3	Advanced microeconomics	30 (L), 12 (C)	3
4	Advanced quality science	30 (L), 12 (C)	3
5	Advanced management	30 (L), 12 (C)	3
3rd semester			
1	Data science	30	2
2	Advanced econometrics	30	2
3	Methods of quality research	30	2
4	Research methods in quality science	30	2
5	Advanced statistics	30	2
6	Publishing workshop 2	12	1
4th semester			
1	Elective specialty seminars (2)	20	2
6th semester			
1	Elective specialty seminar (1)	10	1

4.2. List of courses with the proposed teachers

Table 6. Staffing of the courses

No.	Subjects	ECTS	Hours	Semester	Teachers
1.	Data science	2	30	3	prof. dr hab. Witold Abramowicz, dr Agata Filipowska, dr Milena Stróżyna, dr Krzysztof Węcel
2.	Applied econometrics	2	30	1	dr hab. Paweł Kliber, dr Przemysław Garsztka, dr Łukasz Wawrowski, vacancy
3.	Advanced econometrics	2	30	3	prof. dr hab. Małgorzata Doman, dr hab. Agata Kliber, prof. UEP, dr hab. Barbara Będowska-Sójka, prof. UEP
4.	Advanced financial economics	3	30(w), 12(c)	2	dr hab. Agata Kliber, prof. UEP, dr hab. Paweł Marszałek, prof. UEP, dr hab. Jacek Mizerka, prof. UEP
5.	Research ethics and intellectual property protection	1	12	5	prof. dr hab Zenon Foltynowicz, dr hab. Barbara Pogonowska, prof. UEP, dr Anna Waligóra
6.	Philosophy of science	1	16	5	dr hab. Andrzej W. Nowak, prof. UAM
7.	History and methodology of economic sciences	2	30	1	prof. dr hab. Marian Gorynia, prof. dr hab. Marek Ratajczak, vacancy
8.	Specialty seminar, in 10-hour blocks in economics, finance, quality science, management	2	20	4	Vacant (the staff selected in compliance with the demand based on the themes of doctoral dissertations, including lecturers from outside PUEB)
9.	Advanced macroeconomics	3	30(l), 12(c)	2	dr hab. Michał Konopczyński, prof. UEP, dr hab. Piotr Maćkowiak, prof. UEP, dr hab. Ewa Mińska-Struzik, prof. UEP, dr Michał Pilc.
10.	Methods of qualitative and quantitative research	2	30	2	dr hab. Sylwester Białowąs, prof. UEP, dr hab. Maciej Ławrynowicz, prof. UEP, dr hab. Iwona Olejnik, prof. UEP, vacancy

11.	Methods of qualitative research	2	30	3	dr hab. Iwona Olejnik, prof. UEP, dr Andrzej Szymkowiak, dr Bartłomiej Pierański, vacancy
12.	Research methods in quality science - advanced	2	30	3	dr hab. Alfred Błaszczyk, prof. UEP, prof. dr hab. inż. Ryszard Cierpiszewski, prof. dr hab. inż. Anna Gliszczyńska-Świgło, dr hab. inż. Daniela Gwiazdowska, prof. UEP, dr hab. inż. Inga Klimczak, dr hab. Krzysztof Melski, prof. UEP, dr hab. inż. Katarzyna Pawlak-Lemańska, dr hab. inż. Urszula Samotyja, prof. UEP, dr hab. Ewa Sikorska, prof. UEP, dr hab. inż. Patrycja Wojciechowska
13.	Advanced microeconomics	3	30(l), 12(c)	2	dr hab. Sławomir Kalinowski, prof. UEP, prof. dr hab. Krzysztof Malaga
14.	Advanced quality science	3	30(l), 12(c)	2	dr hab. inż. Magdalena Ankiel, prof. UEP, prof. dr hab. inż. Ryszard Cierpiszewski, dr hab. inż. Alina Matuszak-Flejszman, prof. UEP, dr hab. inż. Wojciech Zmudziński, prof. nadzw. UEP, vacancy
15.	Designing research 1	1	12	1	prof. dr hab. Jan Szambelańczyk, dr hab. Beata Stępień, prof. UEP
16.	Designing research 2 +doctoral workshops	1	16	2	dr hab. Beata Stępień, prof. UEP, dr hab. Katarzyna Szarzec, prof. UEP, vacant
17.	Introduction to academic teaching	1	12	3	dr Anna Wach (Department of Education and Personnel Development)
18.	Doctoral seminar	8	74	1,2,3,4,5, 6,7,8	Supervisors of doctoral dissertations
19.	Applied statistics	3	15(l), 30 (c)	1	dr hab. Grażyna Dehnel, prof. UEP, dr Maciej Beręsewicz, dr Marcin Szymkowiak
20.	Advanced statistics	2	30	3	prof. dr hab. Elżbieta Gołata, dr Marcin Szymkowiak, vacancy
21.	Publishing workshop 1	1	8	1	dr hab. Beata Stępień, prof. UEP, vacant
22.	Publishing workshops 2	1	12	2	dr hab. Barbara Jankowska, prof. UEP, lecturers from outside PUEB, vacancy
23.	Joint lectures and classes	8	78	1,2,3,4,5, 6,7,8	Vacat, lecturers from outside PUEB, mgr Dorota Wojewoda (PUEB Library)
24.	Advanced management	3	30(l), 12(c)	2	dr hab. Milena Ratajczak-Mrozek, prof. UEP, dr Maja Sajdak

4.3. List of proposed supervisors of doctoral dissertations

A PUEB employee with the postdoctoral *doctor habilitowany* or professor degree can perform the function of a supervisor, whereas a person with the doctoral degree can be an auxiliary supervisor – with the reservation specified in Art.190(6) of the Law on Higher Education and Science of 20 July 2018.

4.4. Terms of graduation from the PUEB Doctoral School

In compliance with Art. 204 (1) of the Law on Science and Higher Education of 20 July 2018, a doctoral student completes their education with the defence of the doctoral dissertation.

V. Appendices

Curricula for the courses (Appendix 1)

Matrix of learning outcomes (Appendix 2)

Methods of testing the learning outcomes (Appendix 3)

Syllabuses are available in electronic form on the website of the Poznań University of Economics and Business link below:

https://www.esylabus.ue.poznan.pl/en/12/1/6/105/23

Learning Outcome Coverage Matrix
Academic year: 2024/2025
Major: Doctoral school
Speciality:
Level of qualification: Doctoral school
Mode of studies: Full-time

Nazwa	Specjalność	Obligatoryjność	Kod modułu	Semestr	K3_W01	K3_W02	K3_W03	K3_W04	K3_W05	K3_U01	K3_U02	K3_U03	K3_U04	K3_U05	K3_K01	K3_K02	K3_K03
Applied statistics		1	UEPSDS.610.13109.24	1s	☑	☑	☑		☑	☑		☑	☑	☑	☑	☑	☑
Applied Econometrics		1	UEPSDS.610.13110.24	1s	☑	☑	☑			☑	☑	☑			☑		
History and Methodology of Economic Sciences		1	UEPSDS.610.13111.24	1s	☑	☑	☑			☑	☑	☑	☑		☑	☑	☑
Publishing Workshop 1		1	UEPSDS.610.13121.24	1s		☑	☑	☑		☑	☑	☑	☑		☑	☑	☑
Scientific Research Design 1		1	UEPSDS.610.13123.24	1s	☑	☑	☑	☑	☑	☑	☑		☑		☑	☑	☑
Joint lectures and workshops/classes		1	UEPSDS.610.13128.24	1s			☑	☑	☑	☑	☑	☑	☑			☑	☑
Doctoral seminar		1	UEPSDS.610.12472.24	1s	☑	☑	☑			☑	☑	☑	☑		☑	☑	☑
Joint lectures and workshops/classes		1	UEPSDS.620.13128.24	2s			☑	☑	☑	☑	☑	☑	☑			☑	☑
Advanced macroeconomics		0	UEPSDS.620.8501.24	2s	☑	☑	☑				☑	☑	☑		☑	☑	☑
Advanced Microeconomics		0	UEPSDS.620.13113.24	2s	☑	☑	☑			☑	☑	☑			☑	☑	☑
Advanced Financial Economics		0	UEPSDS.620.13114.24	2s	☑	☑	☑			☑	☑		☑	☑	☑	☑	☑
Quality science – advanced		0	UEPSDS.620.13116.24	2s	☑	☑	☑	☑	☑	☑		☑	☑		☑		
Advanced Management		0	UEPSDS.620.13115.24	2s	☑		☑		☑	☑	☑	☑	☑		☑	☑	
Doctoral seminar		1	UEPSDS.6FE0.12472.24	2s lub 3s lub 4s lub 5s lub 6s lub 7s lub 8s	☑	☑	☑			☑	☑	☑	☑		☑	☑	☑
Methods of quantitative and qualitative research		1	UEPSDS.620.13112.24	2s		☑				☑	☑					☑	☑
Scientific Research Design 2		1	UEPSDS.620.13124.24	2s	☑	☑	☑	☑	☑	☑	☑				☑	☑	☑
Data science		0	UEPSDS.640.12215.24	3s	☑	☑	☑		☑	☑	☑		☑		☑	☑	☑
Advanced Econometrics		0	UEPSDS.640.13125.24	3s		☑	☑			☑	☑	☑	☑	☑	☑	☑	☑
Qualitative research methods		0	UEPSDS.640.1000.24	3s		☑				☑	☑					☑	☑
Research methods in quality science		0	UEPSDS.640.13126.24	3s		☑	☑		☑	☑	☑				☑	☑	
Advanced Statistics		0	UEPSDS.640.13127.24	3s	☑	☑	☑			☑		☑	☑	☑	☑		
Publishing Workshop 2		1	UEPSDS.640.13122.24	3s		☑		☑		☑			☑		☑	☑	☑
Wprowadzenie do dydaktyki akademickiej		1	UEPSDS.640.205274.24	3s			☑							☑	☑		
Joint lectures and workshops/classes		1	UEPSDS.640.13128.24	3s			☑	☑	☑	☑	☑	☑	☑			☑	☑
Praktyka zawodowa (niewypełniony)		1	UEPSDS.6FC0.13117.24	3s lub 4s lub 5s lub 6s lub 7s lub 8s													
Joint lectures and workshops/classes		1	UEPSDS.680.13128.24	4s			☑	☑	☑	☑	☑	☑	☑			☑	☑
Elective specialty seminars 1		1	UEPSDS.680.13392.24	4s	☑	☑	☑		☑	☑	☑			☑	☑		
Elective specialty seminars 2		1	UEPSDS.680.13393.24	4s	☑	☑	☑		☑	☑	☑			☑	☑		
Ethics in scientific research and intellectual property' s protection		1	UEPSDS.6100.13119.24	5s		☑		☑	☑	☑	☑				☑	☑	☑
Philosophy of Science		1	UEPSDS.6100.13120.24	5s	☑	☑	☑	☑	☑	☑	☑	☑	☑		☑	☑	☑
Joint lectures and workshops/classes		1	UEPSDS.6F00.13128.24	5s lub 6s lub 7s lub 8s			☑	☑	☑	☑	☑	☑	☑			☑	☑
Elective specialty seminars		1	UEPSDS.6200.204342.24	6s	☑	☑	☑		☑	☑	☑			☑	☑		
Suma (obowiązkowy):					11	15	18	11	13	20	18	12	13	5	15	16	16
Suma (fakultatywny):					7	9	9	1	4	9	8	6	7	3	9	8	6
Suma:					18	24	27	12	17	29	26	18	20	8	24	24	22

Period - sem	Mandatory o	Course	Coordinator	Method of verification	Symbol of cc	Content of course outcome	Symbol of le	Kinf of learn	Content of learning outcome
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W1	Knowledge of the difference between big data and statistical data sources	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W1	Knowledge of the difference between big data and statistical data sources	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W1	Knowledge of the difference between big data and statistical data sources	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W1	Knowledge of the difference between big data and statistical data sources	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W1	Knowledge of the difference between big data and statistical data sources	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W1	Knowledge of the difference between big data and statistical data sources	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W1	Knowledge of the difference between big data and statistical data sources	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W1	Knowledge of the difference between big data and statistical data sources	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W1	Knowledge of the difference between big data and statistical data sources	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W1	Knowledge of the difference between big data and statistical data sources	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W1	Knowledge of the difference between big data and statistical data sources	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W1	Knowledge of the difference between big data and statistical data sources	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W1	Knowledge of the difference between big data and statistical data sources	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W1	Knowledge of the difference between big data and statistical data sources	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W1	Knowledge of the difference between big data and statistical data sources	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W1	Knowledge of the difference between big data and statistical data sources	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W1	Knowledge of the difference between big data and statistical data sources	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W1	Knowledge of the difference between big data and statistical data sources	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W1	Knowledge of the difference between big data and statistical data sources	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W1	Knowledge of the difference between big data and statistical data sources	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W2	Knowledge of the concept of representativeness and ability to evaluate it	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W3	Knowledge of statistical methods used in practice of economic researches in open source tools (such as R language, Python, Julia)	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W3	Knowledge of statistical methods used in practice of economic researches in open source tools (such as R language, Python, Julia)	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W3	Knowledge of statistical methods used in practice of economic researches in open source tools (such as R language, Python, Julia)	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W3	Knowledge of statistical methods used in practice of economic researches in open source tools (such as R language, Python, Julia)	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	W4	Knowledge of limitations stemming from p-value interpretation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	W4	Knowledge of limitations stemming from p-value interpretation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	W4	Knowledge of limitations stemming from p-value interpretation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	W4	Knowledge of limitations stemming from p-value interpretation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	W4	Knowledge of limitations stemming from p-value interpretation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	U1	Ability to select data sources and adequate statistical / economic / machine learning methods	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results

1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	U2	Ability to plan a statistical research with the use of the acquired data sources and methods of data analysis	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U3	Ability to prepare repeatable and reproductible economic research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U3	Ability to prepare repeatable and reproductible economic research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	U3	Ability to prepare repeatable and reproductible economic research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	U3	Ability to prepare repeatable and reproductible economic research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	U4	Ability to use open statistical tools to carry out research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	U4	Ability to use open statistical tools to carry out research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	K1	Awareness of limitations stemming from the use of big data in economic research	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	K2	Awareness of significance of the entrusted calculations in economics	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	K2	Awareness of significance of the entrusted calculations in economics	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	K2	Awareness of significance of the entrusted calculations in economics	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	K2	Awareness of significance of the entrusted calculations in economics	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	K2	Awareness of significance of the entrusted calculations in economics	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
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1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam	K3	Awareness of limitations stemming from the interpretation of p-value in economic research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Written exam with open questions	K3	Awareness of limitations stemming from the interpretation of p-value in economic research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final quiz	K3	Awareness of limitations stemming from the interpretation of p-value in economic research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Final test	K3	Awareness of limitations stemming from the interpretation of p-value in economic research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied statistics	Beręsewicz Maciej	Class participation/ Participation in lectures	K3	Awareness of limitations stemming from the interpretation of p-value in economic research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	W1	Knowledge of econometric methods applied in modern economic literature	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	W2	Understanding the results obtained by means of quantitative methods and ability to proper interpret them	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline

1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	W3	Knowledge of econometric methods applied in economics and management sciences	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	U1	Ability to interpret and assess the results of research where quantitative methods are applied	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	U2	Ability to apply in own research adequate quantitative methods and interpret and present their results	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	U3	Ability to adequately select econometric methods to test scientific hypotheses	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	K1	Readiness to perform analyses of the existing scientific achievements using econometric tools	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Applied Econometrics	Kliber Paweł	Individual project	K2	Readiness to use econometric methods in own research	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W1	Students are aware and understand the categories related to the theory, science, methodology and know and understand the basics of scientific workshop in economic sciences	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W1	Students are aware and understand the categories related to the theory, science, methodology and know and understand the basics of scientific workshop in economic sciences	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W1	Students are aware and understand the categories related to the theory, science, methodology and know and understand the basics of scientific workshop in economic sciences	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W2	Students know and understand the basic methodological positions and understand the differences between them	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W2	Students know and understand the basic methodological positions and understand the differences between them	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W2	Students know and understand the basic methodological positions and understand the differences between them	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W3	Students know the possibilities and limitations of individual methodological positions for explaining and predicting the economic phenomena and processes	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W3	Students know the possibilities and limitations of individual methodological positions for explaining and predicting the economic phenomena and processes	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W3	Students know the possibilities and limitations of individual methodological positions for explaining and predicting the economic phenomena and processes	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W4	Students know and understand historical conditions of development of economic sciences as part of social sciences	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W4	Students know and understand historical conditions of development of economic sciences as part of social sciences	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	W4	Students know and understand historical conditions of development of economic sciences as part of social sciences	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U1	Students are able to perform critical assessment of the key methodological approaches and to select the position useful for conduct of their own research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U1	Students are able to perform critical assessment of the key methodological approaches and to select the position useful for conduct of their own research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U1	Students are able to perform critical assessment of the key methodological approaches and to select the position useful for conduct of their own research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U1	Students are able to perform critical assessment of the key methodological approaches and to select the position useful for conduct of their own research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U2	Students are able to interpret the existing economic theories from the point of view of the applied methodological positions	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U2	Students are able to interpret the existing economic theories from the point of view of the applied methodological positions	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U2	Students are able to interpret the existing economic theories from the point of view of the applied methodological positions	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U2	Students are able to interpret the existing economic theories from the point of view of the applied methodological positions	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U3	Students are able to conduct the choice of research methods and tools and are able to anticipate similar consequences of the choice of specific methodological position and selected research methods and tools for their own studies	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U3	Students are able to conduct the choice of research methods and tools and are able to anticipate similar consequences of the choice of specific methodological position and selected research methods and tools for their own studies	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U3	Students are able to conduct the choice of research methods and tools and are able to anticipate similar consequences of the choice of specific methodological position and selected research methods and tools for their own studies	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	U3	Students are able to conduct the choice of research methods and tools and are able to anticipate similar consequences of the choice of specific methodological position and selected research methods and tools for their own studies	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K1	Students are ready to express views on usefulness of methodology of economic sciences in order to reach scientific results	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K1	Students are ready to express views on usefulness of methodology of economic sciences in order to reach scientific results	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K1	Students are ready to express views on usefulness of methodology of economic sciences in order to reach scientific results	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K2	Students are ready to accept the diversity of individual methodological approaches, research methods and tools as well as are ready to participate in their improvement and change	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K2	Students are ready to accept the diversity of individual methodological approaches, research methods and tools as well as are ready to participate in their improvement and change	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	History and Methodology of Economic Sc	Gorynia Marian	Written exam with open questions	K2	Students are ready to accept the diversity of individual methodological approaches, research methods and tools as well as are ready to participate in their improvement and change	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W1	Students know the stages of the publication process	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W1	Students know the stages of the publication process	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W1	Students know the stages of the publication process	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W1	Students know the stages of the publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W1	Students know the stages of the publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W1	Students know the stages of the publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided

1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W2	Students will be familiar with the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	W3	Students will know and understand what characterises a properly prepared scientific article in all its elements	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U1	Students will be able to design a scientific publication in the form of an article.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U1	Students will be able to design a scientific publication in the form of an article.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U1	Students will be able to design a scientific publication in the form of an article.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U1	Students will be able to design a scientific publication in the form of an article.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U1	Students will be able to design a scientific publication in the form of an article.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U1	Students will be able to design a scientific publication in the form of an article.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U2	The student is able to write a scientific article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U2	The student is able to write a scientific article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U2	The student is able to write a scientific article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U2	The student is able to write a scientific article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U2	The student is able to write a scientific article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U2	The student is able to write a scientific article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	U3	Students will be able to apply the guidelines provided by the editors of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K1	The student is prepared to respond positively to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K1	The student is prepared to respond positively to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K1	The student is prepared to respond positively to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K1	The student is prepared to respond positively to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K1	The student is prepared to respond positively to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K1	The student is prepared to respond positively to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K1	The student is prepared to respond positively to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K1	The student is prepared to respond positively to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K1	The student is prepared to respond positively to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K2	The student is ready for a scientific discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K2	The student is ready for a scientific discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K2	The student is ready for a scientific discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K2	The student is ready for a scientific discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K2	The student is ready for a scientific discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K2	The student is ready for a scientific discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K2	The student is ready for a scientific discussion	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K2	The student is ready for a scientific discussion	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K2	The student is ready for a scientific discussion	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K3	The student is ready to work in a group and to share his views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K3	The student is ready to work in a group and to share his views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K3	The student is ready to work in a group and to share his views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K3	The student is ready to work in a group and to share his views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K3	The student is ready to work in a group and to share his views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K3	The student is ready to work in a group and to share his views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Class participation/ Participation in lectures	K3	The student is ready to work in a group and to share his views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Individual project	K3	The student is ready to work in a group and to share his views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Publishing Workshop 1	Stępień Beata	Presentation	K3	The student is ready to work in a group and to share his views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knows the meaning of the following terms: scientific research, problematics, issue, scientific problem, research method, methodology, research methodology	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knows the personal and institutional determinants of scientific work in the doctoral programs	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knows the essence and types of problems, cognitive questions and the process of their operationalization in the doctoral dissertation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing

1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knows the essence and types of problems, cognitive questions and the process of their operationalization in the doctoral dissertation	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W4	Understands the importance of scientific research in the development of civilization	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Is able to select research problems to his/her interests and competences, can formulate scientific problems and indicate useful research methods for the purpose of research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Can recognize the personal and institutional conditions of preparing a doctoral dissertation and take them into account in the personal work plan	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Can use knowledge of the nature and types of problems to independently formulate research goals, questions or hypotheses	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Can use knowledge of the nature and types of problems to independently formulate research goals, questions or hypotheses	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Knows how to use knowledge about civilization threats in the design of scientific research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Knows how to use knowledge about civilization threats in the design of scientific research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Strives to discover the truth in scientific research regardless of the popularity of the results	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Develops the qualities of scientific entrepreneurship in overcoming research constraints	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Scientific Research Design 1	Jewartowski Tomasz	Class participation/ Participation in lectures	K3	Adheres to the principles of economic rationality in research funding	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge of the principle of knowledge transfer to the economy, obtaining means for research and principles of disseminating the results of scientific activity	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to use library databases and critically carry out literature studies	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to plan own scientific development	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
1s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Ability to sustain and develop the ethos of research environments	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge and understanding of research methodology of the subject scope of the seminar	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the subject literature in the subject scope of the seminar	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of development trends in the subject scope of the seminar	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to critically conduct literature studies and specify his or her own input into the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to independently gain and expand one's knowledge and skills	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Ability to present a formulated scientific problem, interpret research results and provide arguments supporting one's point of view	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Ability to present a formulated scientific problem, interpret research results and provide arguments supporting one's point of view	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to critically specify one's input in the development of science	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Readiness to conduct research in an ethical and independent manner	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
1s	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K3	Readiness to perform the social function of researcher	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge of the principle of knowledge transfer to the economy, obtaining means for research and principles of disseminating the results of scientific activity	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to use library databases and critically carry out literature studies	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to plan own scientific development	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Ability to sustain and develop the ethos of research environments	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	W1	Understanding of theoretical and empirical foundations of the contemporary theory of macroeconomics	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	W2	Knowledge of research methods applied in the macroeconomics	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	W3	Identification of the main development tendencies in contemporary macroeconomics	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	U1	Ability to critically analyse and evaluate the results of macroeconomic studies and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced macroeconomics	Pilc Michał	Class participation/ Participation in lectures	U1	Ability to critically analyse and evaluate the results of macroeconomic studies and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	U2	Ability to communicate on the theory and empirical studies in macroeconomics	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced macroeconomics	Pilc Michał	Class participation/ Participation in lectures	U2	Ability to communicate on the theory and empirical studies in macroeconomics	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	U3	Ability to choose the method of conducting a study in macroeconomics and to independently conduct the designed research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	K1	Readiness to critically analyse the publications in macroeconomics research and to assess one's own impact in its development	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced macroeconomics	Pilc Michał	Class participation/ Participation in lectures	K1	Readiness to critically analyse the publications in macroeconomics research and to assess one's own impact in its development	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	K2	Readiness to conduct research in an independent manner	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced macroeconomics	Pilc Michał	Report	K3	Readiness to communicate the results of own pieces of research and to take part in scientific discussions	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced macroeconomics	Pilc Michał	Class participation/ Participation in lectures	K3	Readiness to communicate the results of own pieces of research and to take part in scientific discussions	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing

2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W1	The student knows the macro and microeconomic theories in contemporary finance formulated within mainstream economics and by heterodox economists	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W2	The student knows the main research and methodological approaches used by researchers in the field of finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W3	The student knows the principles on which the functioning of modern financial systems is based, as well as processes shaping them	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	W4	The student knows the geopolitical and economic realities of the further evolution of money and finance	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	U1	The student knows how to determine what contemporary finance is and what factors shape it	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U2	The student is able to indicate the differences between mainstream and heterodox theories in the field of finance	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	U2	The student is able to indicate the differences between mainstream and heterodox theories in the field of finance	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	U2	The student is able to indicate the differences between mainstream and heterodox theories in the field of finance	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U2	The student is able to indicate the differences between mainstream and heterodox theories in the field of finance	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
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2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	U2	The student is able to indicate the differences between mainstream and heterodox theories in the field of finance	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final test	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Class participation/ Participation in lectures	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszalek Paweł	Final quiz	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science

2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	U3	The student is able to identify the main processes and trends (economic, political, cultural) shaping modern financial systems	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
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2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	U4	The student is able to assess the suitability of individual quantitative and qualitative methods of analyzing financial phenomena	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K1	The student is aware of the multidimensionality and complexity of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K2	The student develops the awareness of responsibility for jointly implemented tasks related to teamwork and discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K3	The student develops the ability to interpret information on political, cultural and economic aspects of financial phenomena	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final quiz	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Final test	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Financial Economics	Marszałek Paweł	Class participation/ Participation in lectures	K4	The student develops the ability to hypothesize about financial phenomena occurring in the world around him	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	W1	Knowledge and understanding of the area of advanced microeconomics, encompassing the latest achievements of science.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	W1	Knowledge and understanding of the area of advanced microeconomics, encompassing the latest achievements of science.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	W1	Knowledge and understanding of the area of advanced microeconomics, encompassing the latest achievements of science.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	W1	Knowledge and understanding of the area of advanced microeconomics, encompassing the latest achievements of science.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	W2	Knowledge and understanding of the essence of hypothetical-deduction methods and experimental methods allowing for independent formulation and solving of research problems	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	W2	Knowledge and understanding of the essence of hypothetical-deduction methods and experimental methods allowing for independent formulation and solving of research problems	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	W2	Knowledge and understanding of the essence of hypothetical-deduction methods and experimental methods allowing for independent formulation and solving of research problems	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	W2	Knowledge and understanding of the essence of hypothetical-deduction methods and experimental methods allowing for independent formulation and solving of research problems	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	W3	Knowledge of the advancedmethods and techniques of building economic models and understanding the technique of designing class experiments	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	W3	Knowledge of the advancedmethods and techniques of building economic models and understanding the technique of designing class experiments	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	W3	Knowledge of the advancedmethods and techniques of building economic models and understanding the technique of designing class experiments	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	W3	Knowledge of the advancedmethods and techniques of building economic models and understanding the technique of designing class experiments	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided

2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	U1	Ability to plan, independently conduct and document experimental researches and interpret the obtained results; ability to independently build an economic model, carry out simulations on its basis and draw research conclusions.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	U1	Ability to plan, independently conduct and document experimental researches and interpret the obtained results; ability to independently build an economic model, carry out simulations on its basis and draw research conclusions.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	U1	Ability to plan, independently conduct and document experimental researches and interpret the obtained results; ability to independently build an economic model, carry out simulations on its basis and draw research conclusions.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	U1	Ability to plan, independently conduct and document experimental researches and interpret the obtained results; ability to independently build an economic model, carry out simulations on its basis and draw research conclusions.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	U2	Ability to fluently obtain and use information drawn from scientific sources and databases, related to the conducted scientific researches.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	U2	Ability to fluently obtain and use information drawn from scientific sources and databases, related to the conducted scientific researches.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	U2	Ability to fluently obtain and use information drawn from scientific sources and databases, related to the conducted scientific researches.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	U2	Ability to fluently obtain and use information drawn from scientific sources and databases, related to the conducted scientific researches.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	U3	Ability to prepare and publicly present verbal presentations of scientific works and conduct discussions on the conducted scientific research.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	U3	Ability to prepare and publicly present verbal presentations of scientific works and conduct discussions on the conducted scientific research.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	U3	Ability to prepare and publicly present verbal presentations of scientific works and conduct discussions on the conducted scientific research.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	U3	Ability to prepare and publicly present verbal presentations of scientific works and conduct discussions on the conducted scientific research.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	K1	Readiness to openness to various research methods both deductive (economic modelling) and inductive (economic experiment).	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	K1	Readiness to openness to various research methods both deductive (economic modelling) and inductive (economic experiment).	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	K1	Readiness to openness to various research methods both deductive (economic modelling) and inductive (economic experiment).	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	K1	Readiness to openness to various research methods both deductive (economic modelling) and inductive (economic experiment).	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	K2	Readiness to creativity in search of new topics of scientific researches both in the area of neo-classicist and behavioural economy.	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	K2	Readiness to creativity in search of new topics of scientific researches both in the area of neo-classicist and behavioural economy.	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	K2	Readiness to creativity in search of new topics of scientific researches both in the area of neo-classicist and behavioural economy.	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	K2	Readiness to creativity in search of new topics of scientific researches both in the area of neo-classicist and behavioural economy.	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Report	K3	Readiness to realize professional tasks in accordance with the principles of ethics; awareness of the social role of scientists.	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Class participation/ Participation in lectures	K3	Readiness to realize professional tasks in accordance with the principles of ethics; awareness of the social role of scientists.	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Group project / Group work	K3	Readiness to realize professional tasks in accordance with the principles of ethics; awareness of the social role of scientists.	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Advanced Microeconomics	Huderek-Glapska Sonia	Research	K3	Readiness to realize professional tasks in accordance with the principles of ethics; awareness of the social role of scientists.	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	W1	Knowledge and understanding of theoretical bases and general issues related to the concept of quality, client, consumer and their roles in creating product quality	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	W1	Knowledge and understanding of theoretical bases and general issues related to the concept of quality, client, consumer and their roles in creating product quality	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	W2	Knowledge and understanding of economic, legal and ethical conditions for the functioning of product markets, methods and their analysis as well as relations between the markets and quality management	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	W2	Knowledge and understanding of economic, legal and ethical conditions for the functioning of product markets, methods and their analysis as well as relations between the markets and quality management	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	W3	Knowledge and understanding of the methodology of scientific research in the scope of identifying and assessing quality determinants of products from the perspective of a consumer and using research in the design process and product commercialization	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	W3	Knowledge and understanding of the methodology of scientific research in the scope of identifying and assessing quality determinants of products from the perspective of a consumer and using research in the design process and product commercialization	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	W4	Knowledge and understanding of the fundamental dilemmas of modern civilization	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	W4	Knowledge and understanding of the fundamental dilemmas of modern civilization	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	W5	Knowledge and understanding of the key development tendencies of quality science	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	W5	Knowledge and understanding of the key development tendencies of quality science	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	U1	Ability to use knowledge for creative identification, formulation and innovative solutions of scientific problems and in particular: defining the goal and the subject of research, formulating a hypothesis, developing methods and research tools and their creative application, interpretation and drawing conclusions on the basis of scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	U1	Ability to use knowledge for creative identification, formulation and innovative solutions of scientific problems and in particular: defining the goal and the subject of research, formulating a hypothesis, developing methods and research tools and their creative application, interpretation and drawing conclusions on the basis of scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	U2	Ability to communicate on specialist topics in a degree allowing for an active participation in the international environment and disseminate the results of scientific activity	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	U2	Ability to communicate on specialist topics in a degree allowing for an active participation in the international environment and disseminate the results of scientific activity	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	U3	Ability to autonomously plan scientific research related to the area of creating and assessing the quality of products	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	U3	Ability to autonomously plan scientific research related to the area of creating and assessing the quality of products	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	K1	Ability to conduct critical analysis and inquiry of status of knowledge regarding designing and assessing the quality of products	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	K1	Ability to conduct critical analysis and inquiry of status of knowledge regarding designing and assessing the quality of products	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Final quiz	K2	Readiness to perform critical analysis of scientific achievements in the scope of a given scientific discipline, including one's own input in its development	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Quality science – advanced	Matuszak-Flejszman Alina	Class participation/ Participation in lectures	K2	Readiness to perform critical analysis of scientific achievements in the scope of a given scientific discipline, including one's own input in its development	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development

2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W1	Knowledge of external and internal conditions for organization activity	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W1	Knowledge of external and internal conditions for organization activity	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W1	Knowledge of external and internal conditions for organization activity	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W1	Knowledge of external and internal conditions for organization activity	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W1	Knowledge of external and internal conditions for organization activity	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W1	Knowledge of external and internal conditions for organization activity	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W2	Explanation of the key latest concepts related to individuals (employees, management) and team management	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W3	Knowledge of the latest concepts in the area of strategic management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W3	Knowledge of the latest concepts in the area of strategic management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W3	Knowledge of the latest concepts in the area of strategic management	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W3	Knowledge of the latest concepts in the area of strategic management	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W3	Knowledge of the latest concepts in the area of strategic management	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W3	Knowledge of the latest concepts in the area of strategic management	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	W4	Ability to name the latest directions of research devoted to the role of organization in a society and business environment	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	U1	Ability to apply knowledge in creative and practical identification, formulation and innovative solving of scientific issues in the area of management	K3_U01	U		can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U1	Ability to apply knowledge in creative and practical identification, formulation and innovative solving of scientific issues in the area of management	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U1	Ability to apply knowledge in creative and practical identification, formulation and innovative solving of scientific issues in the area of management	K3_U01	U		can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	U2	Ability to interpret and explain social-economic phenomena impacting the activity of organizations and directions of scientific research	K3_U04	U		can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U2	Ability to interpret and explain social-economic phenomena impacting the activity of organizations and directions of scientific research	K3_U04	U		can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U2	Ability to interpret and explain social-economic phenomena impacting the activity of organizations and directions of scientific research	K3_U04	U		can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3_U01	U		can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3_U02	U		can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3_U02	U		can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U3	Ability to analyse scientific articles in the area of management and to designate directions of own research	K3_U02	U		can critically analyse and assess the research results and their contribution to the development of science
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U4	Ability to apply properly selected and, at the same time, the latest methods of strategic analysis of the organization	K3_U04	U		can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U4	Ability to apply properly selected and, at the same time, the latest methods of strategic analysis of the organization	K3_U04	U		can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	U5	Ability to actively and critically discuss the topics related to the area of management	K3_U03	U		can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	U5	Ability to actively and critically discuss the topics related to the area of management	K3_U03	U		can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	U5	Ability to actively and critically discuss the topics related to the area of management	K3_U03	U		can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Report	K1	Readiness to perform critical analysis of scientific achievements in the area of management	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	K1	Readiness to perform critical analysis of scientific achievements in the area of management	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	K1	Readiness to perform critical analysis of scientific achievements in the area of management	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Class participation/ Participation in lectures	K2	Readiness to act in an entrepreneurial manner and fulfil social obligations of a researcher	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Elective	Advanced Management	Ratajczak-Mrozek Milena	Research	K2	Readiness to act in an entrepreneurial manner and fulfil social obligations of a researcher	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge and understanding of research methodology of the subject scope of the seminar	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the subject literature in the subject scope of the seminar	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of development trends in the subject scope of the seminar	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to critically conduct literature studies and specify his or her own input into the development of science	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U01	U		can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to independently gain and expand one's knowledge and skills	K3	U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
2s lub 3s lub -	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Ability to present a formulated scientific problem, interpret research results and provide arguments supporting one's point of view	K3_U01	U		can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results

2s lub 3s lub	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	U4	Ability to present a formulated scientific problem, interpret research results and provide arguments supporting one's point of view	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
2s lub 3s lub	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to critically specify one's input in the development of science	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s lub 3s lub	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Readiness to conduct research in an ethical and independent manner	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s lub 3s lub	Mandatory	Doctoral seminar	Jewartowski Tomasz	Class participation/ Participation in lectures	K3	Readiness to perform the social function of researcher	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Final quiz	W1	Knowledge and understanding of the methodology of primary quantitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Class participation/ Participation in lectures	W1	Knowledge and understanding of the methodology of primary quantitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	W1	Knowledge and understanding of the methodology of primary quantitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	W1	Knowledge and understanding of the methodology of primary quantitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Presentation	W1	Knowledge and understanding of the methodology of primary quantitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Final quiz	W2	Knowledge and understanding of the methodology of primary qualitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Class participation/ Participation in lectures	W2	Knowledge and understanding of the methodology of primary qualitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	W2	Knowledge and understanding of the methodology of primary qualitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	W2	Knowledge and understanding of the methodology of primary qualitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Presentation	W2	Knowledge and understanding of the methodology of primary qualitative scientific research in a degree that allows to formulate and resolve research issues contained in a doctoral dissertation by means of research methods and tools proper for the research in the scope of economy, management and sciences dealing with quality	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Class participation/ Participation in lectures	U1	Ability to use knowledge in the scope of primary methodology of quantitative and qualitative research for creative identification of scietnific issues, including: defining the goal and subject of research, formulating hypothesis and scope of research, developing and applying research methods and tools during realization of empirical studies for the purposes of scientific work, interpreting and concluding on the basis of scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	U1	Ability to use knowledge in the scope of primary methodology of quantitative and qualitative research for creative identification of scietnific issues, including: defining the goal and subject of research, formulating hypothesis and scope of research, developing and applying research methods and tools during realization of empirical studies for the purposes of scientific work, interpreting and concluding on the basis of scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	U1	Ability to use knowledge in the scope of primary methodology of quantitative and qualitative research for creative identification of scietnific issues, including: defining the goal and subject of research, formulating hypothesis and scope of research, developing and applying research methods and tools during realization of empirical studies for the purposes of scientific work, interpreting and concluding on the basis of scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Class participation/ Participation in lectures	U2	Ability to critically analyse and evaluate the results of own, primary scientific research and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	U2	Ability to critically analyse and evaluate the results of own, primary scientific research and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	U2	Ability to critically analyse and evaluate the results of own, primary scientific research and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Presentation	U2	Ability to critically analyse and evaluate the results of own, primary scientific research and their impact on the development of science	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	K1	Readiness to think and act in an entrepreneurial manner in the process of designing emprical research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	K1	Readiness to think and act in an entrepreneurial manner in the process of designing emprical research	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Group project / Group work	K2	Readiness to conduct research in an autonomous and reliable manner, maintaining respect of ethical principles of conducting as well as interpreting the results of primary research	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Research	K2	Readiness to conduct research in an autonomous and reliable manner, maintaining respect of ethical principles of conducting as well as interpreting the results of primary research	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Mandatory	Methods of quantitative and qualitative re	Olejnik Iwona	Presentation	K2	Readiness to conduct research in an autonomous and reliable manner, maintaining respect of ethical principles of conducting as well as interpreting the results of primary research	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	W1	Knowledge of the following concepts: Scientific issue, research question, research objective, research tasks, research subject, research methodology	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	W1	Knowledge of the following concepts: Scientific issue, research question, research objective, research tasks, research subject, research methodology	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	W2	Knowledge of stages of work on a doctoral dissertation	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	W2	Knowledge of stages of work on a doctoral dissertation	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	W3	Knowledge of the essence and types of problems, cognitive questions and the process of their operationalization within a doctoral dissertation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	W3	Knowledge of the essence and types of problems, cognitive questions and the process of their operationalization within a doctoral dissertation	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing

2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	W3	Knowledge of the essence and types of problems, cognitive questions and the process of their operationalization within a doctoral dissertation	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	W3	Knowledge of the essence and types of problems, cognitive questions and the process of their operationalization within a doctoral dissertation	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	W4	Knowledge of the structure of doctoral dissertation and objectives of its individual parts	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	W4	Knowledge of the structure of doctoral dissertation and objectives of its individual parts	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	U1	Ability to select the problem area for research compliant with one's interests and competencies, ability to formulate scientific problems and indicate useful research methods for the purpose of research	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	U1	Ability to select the problem area for research compliant with one's interests and competencies, ability to formulate scientific problems and indicate useful research methods for the purpose of research	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	U2	Ability to detect personal and institutional determinants of doctoral dissertation preparation and encompass them in one's personal work plan	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	U3	Ability to use the knowledge regarding the essence and types of problems for autonomous formulation of goals, questions, research hypotheses	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	U3	Ability to use the knowledge regarding the essence and types of problems for autonomous formulation of goals, questions, research hypotheses	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	U3	Ability to use the knowledge regarding the essence and types of problems for autonomous formulation of goals, questions, research hypotheses	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	U3	Ability to use the knowledge regarding the essence and types of problems for autonomous formulation of goals, questions, research hypotheses	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	K1	Readiness to discover the truths in scientific research regardless of the popularity of results	K3_K01		K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	K1	Readiness to discover the truths in scientific research regardless of the popularity of results	K3_K03		K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	K2	Readiness to develop scientific entrepreneurship features in combating research limitations	K3_K02		K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Presentation	K2	Readiness to develop scientific entrepreneurship features in combating research limitations	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
2s	Mandatory	Scientific Research Design 2	Szarzec Katarzyna	Class participation/ Participation in lectures	K3	Readiness to abide by the principles of economic rationality in research financing	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Data science	Filipowska Agata	Final quiz	W1	The student knows the concept of big data and its components.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	W1	The student knows the concept of big data and its components.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Final quiz	W1	The student knows the concept of big data and its components.	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	W1	The student knows the concept of big data and its components.	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Data science	Filipowska Agata	Final quiz	W1	The student knows the concept of big data and its components.	K3_W05		W	knows and comprehends the fundamental dilemmas of the modern civilization
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	W1	The student knows the concept of big data and its components.	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
3s	Elective	Data science	Filipowska Agata	Final quiz	W2	The student knows the methods of acquiring, organizing, storing and processing large datasets.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Individual project	W2	The student knows the methods of acquiring, organizing, storing and processing large datasets.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Final quiz	W2	The student knows the methods of acquiring, organizing, storing and processing large datasets.	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Data science	Filipowska Agata	Individual project	W2	The student knows the methods of acquiring, organizing, storing and processing large datasets.	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Data science	Filipowska Agata	Final quiz	W3	The student knows the methods and tools that allow him/her to analyze economic phenomena with the use of big data methods.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Individual project	W3	The student knows the methods and tools that allow him/her to analyze economic phenomena with the use of big data methods.	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Data science	Filipowska Agata	Final quiz	W3	The student knows the methods and tools that allow him/her to analyze economic phenomena with the use of big data methods.	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Data science	Filipowska Agata	Individual project	W3	The student knows the methods and tools that allow him/her to analyze economic phenomena with the use of big data methods.	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Data science	Filipowska Agata	Final quiz	U1	The student is able to propose a solution to the problem using data analysis methods	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	U1	The student is able to propose a solution to the problem using data analysis methods	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Individual project	U1	The student is able to propose a solution to the problem using data analysis methods	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Final quiz	U1	The student is able to propose a solution to the problem using data analysis methods	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	U1	The student is able to propose a solution to the problem using data analysis methods	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Data science	Filipowska Agata	Individual project	U1	The student is able to propose a solution to the problem using data analysis methods	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Data science	Filipowska Agata	Final quiz	U2	The student is able to choose the method of data processing to the economic problem.	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	U2	The student is able to choose the method of data processing to the economic problem.	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Individual project	U2	The student is able to choose the method of data processing to the economic problem.	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Final quiz	U3	The student is able to design solutions using big data.	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Individual project	U3	The student is able to design solutions using big data.	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Data science	Filipowska Agata	Final quiz	U3	The student is able to design solutions using big data.	K3_U04		U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Data science	Filipowska Agata	Individual project	U3	The student is able to design solutions using big data.	K3	U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Data science	Filipowska Agata	Final quiz	K1	The student is ready to use various tools in the data analysis process.	K3_K02		K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Data science	Filipowska Agata	Individual project	K1	The student is ready to use various tools in the data analysis process.	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Data science	Filipowska Agata	Final quiz	K1	The student is ready to use various tools in the data analysis process.	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Data science	Filipowska Agata	Individual project	K1	The student is ready to use various tools in the data analysis process.	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Data science	Filipowska Agata	Final quiz	K2	The student is ready to meet the ethical challenges related to data processing.	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Data science	Filipowska Agata	Class participation/ Participation in lectures	K2	The student is ready to meet the ethical challenges related to data processing.	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Data science	Filipowska Agata	Individual project	K3	The student is ready to test new solutions in the field of data analysis.	K3_K01		K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline

3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Research	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Econometrics	Kliber Agata	Research	W1	Knowledge and understanding of the possibilities of using econometric models for analysing economic phenomena and their forecasting (including knowledge of limitations of these models)	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	W2	Knowledge and understanding of the methods of assessing the quality of construed models and methods of deducing estimated parameters	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	W2	Knowledge and understanding of the methods of assessing the quality of construed models and methods of deducing estimated parameters	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	W3	Knowledge and understanding of the use of IT tools for quantitative studies	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Research	W3	Knowledge and understanding of the use of IT tools for quantitative studies	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	W3	Knowledge and understanding of the use of IT tools for quantitative studies	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Econometrics	Kliber Agata	Research	W3	Knowledge and understanding of the use of IT tools for quantitative studies	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U1	Can estimate econometric models using computer software and assess its goodness of fit	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U2	Can use the estimated model for forecasting	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U2	Can use the estimated model for forecasting	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U2	Can use the estimated model for forecasting	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U2	Can use the estimated model for forecasting	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U2	Can use the estimated model for forecasting	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U2	Can use the estimated model for forecasting	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U2	Can use the estimated model for forecasting	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U2	Can use the estimated model for forecasting	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U2	Can use the estimated model for forecasting	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U2	Can use the estimated model for forecasting	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U2	Can use the estimated model for forecasting	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U2	Can use the estimated model for forecasting	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U2	Can use the estimated model for forecasting	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U2	Can use the estimated model for forecasting	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U2	Can use the estimated model for forecasting	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U3	Can correctly interpret and present the results of the research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U3	Can correctly interpret and present the results of the research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U3	Can correctly interpret and present the results of the research	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U3	Can correctly interpret and present the results of the research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U3	Can correctly interpret and present the results of the research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U3	Can correctly interpret and present the results of the research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U3	Can correctly interpret and present the results of the research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U3	Can correctly interpret and present the results of the research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U3	Can correctly interpret and present the results of the research	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U3	Can correctly interpret and present the results of the research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U3	Can correctly interpret and present the results of the research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U3	Can correctly interpret and present the results of the research	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	U3	Can correctly interpret and present the results of the research	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	U3	Can correctly interpret and present the results of the research	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Research	U3	Can correctly interpret and present the results of the research	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Advanced Econometrics	Kliber Agata	Research	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Advanced Econometrics	Kliber Agata	Research	K1	Readiness to cope with the possibilities and limitations related to econometric methods	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	K2	Readiness to work upon realization of econometric projects	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Advanced Econometrics	Kliber Agata	Research	K2	Readiness to work upon realization of econometric projects	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	K2	Readiness to work upon realization of econometric projects	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Advanced Econometrics	Kliber Agata	Research	K2	Readiness to work upon realization of econometric projects	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Advanced Econometrics	Kliber Agata	Class participation/ Participation in lectures	K3	Readiness to indicate the basic and advanced econometric literature and sources of new works from this scope	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development

3s	Elective	Advanced Econometrics	Kliber Agata	Group project / Group work	K3	Readiness to indicate the basic and advanced econometric literature and sources of new works from this scope	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Qualitative research methods	Olejnik Iwona	Class participation/ Participation in lectures	W1	Knowledge and understanding of issues in the scope of methodology of preparing and conducting qualitative scientific studies at the level enabling independent realization of research and elaboration of their results bearing in mind the requirements of scientific elaboration	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	W1	Knowledge and understanding of issues in the scope of methodology of preparing and conducting qualitative scientific studies at the level enabling independent realization of research and elaboration of their results bearing in mind the requirements of scientific elaboration	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	W1	Knowledge and understanding of issues in the scope of methodology of preparing and conducting qualitative scientific studies at the level enabling independent realization of research and elaboration of their results bearing in mind the requirements of scientific elaboration	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Class participation/ Participation in lectures	W2	Understanding the essence, possibilities and limitations of empirical researches carried out with the use of an eye tracker	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	W2	Understanding the essence, possibilities and limitations of empirical researches carried out with the use of an eye tracker	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	W2	Understanding the essence, possibilities and limitations of empirical researches carried out with the use of an eye tracker	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	U1	Ability to prepare and realize empirical research, assuming qualitative approach	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	U1	Ability to prepare and realize empirical research, assuming qualitative approach	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	U2	Ability to analyse and visualize qualitative data, ability to correctly interpret verbal and non-verbal behaviours of the respondents participating in research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Qualitative research methods	Olejnik Iwona	Presentation	U2	Ability to analyse and visualize qualitative data, ability to correctly interpret verbal and non-verbal behaviours of the respondents participating in research	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	U3	Ability to design and carry out empirical research with the use of an eye tracker.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	U3	Ability to design and carry out empirical research with the use of an eye tracker.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	K1	Readiness to think and act in an entrepreneurial manner in the process of preparing the project of empirical research for the purposes of dissertation	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	K1	Readiness to think and act in an entrepreneurial manner in the process of preparing the project of empirical research for the purposes of dissertation	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Qualitative research methods	Olejnik Iwona	Group project / Group work	K2	Readiness to carry out and interpret empirical qualitative research in a reliable and thorough manner, with observance of ethical principles	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Qualitative research methods	Olejnik Iwona	Research	K2	Readiness to carry out and interpret empirical qualitative research in a reliable and thorough manner, with observance of ethical principles	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Qualitative research methods	Olejnik Iwona	Presentation	K2	Readiness to carry out and interpret empirical qualitative research in a reliable and thorough manner, with observance of ethical principles	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W1	Student knows the staqes of publication process	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W1	Student knows the staqes of publication process	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W1	Student knows the staqes of publication process	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W1	Student knows the staqes of publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W1	Student knows the staqes of publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W1	Student knows the staqes of publication process	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W2	Student knows the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W2	Student knows the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W2	Student knows the key elements of a scientific text and its summary	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W2	Student knows the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W2	Student knows the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W2	Student knows the key elements of a scientific text and its summary	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	W3	Student knows and understands the characteristics of correctly prepared reply to the review of a scientific article	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U1	Student is able to indicate the addressee of his/her scientific publication and select the journal to which they intend to submit their article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people

3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U2	Student is able to constructively refer to the obtained reviews of his/her article	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	U3	Student is able to apply guidelines placed by reviewers of scientific journals	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K1	Student is ready to positively react to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K1	Student is ready to positively react to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K1	Student is ready to positively react to criticism	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K1	Student is ready to positively react to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K1	Student is ready to positively react to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K1	Student is ready to positively react to criticism	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K1	Student is ready to positively react to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K1	Student is ready to positively react to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K1	Student is ready to positively react to criticism	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K2	Student is ready to participate in a discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K2	Student is ready to participate in a discussion	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K2	Student is ready to participate in a discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K2	Student is ready to participate in a discussion	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K2	Student is ready to participate in a discussion	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K2	Student is ready to participate in a discussion	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K3	Student is able to work in a group and share his/her views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K3	Student is able to work in a group and share his/her views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K3	Student is able to work in a group and share his/her views	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K3	Student is able to work in a group and share his/her views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K3	Student is able to work in a group and share his/her views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K3	Student is able to work in a group and share his/her views	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Class participation/ Participation in lectures	K3	Student is able to work in a group and share his/her views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Group project / Group work	K3	Student is able to work in a group and share his/her views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Mandatory	Publishing Workshop 2	Jankowska Barbara	Presentation	K3	Student is able to work in a group and share his/her views	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	W1	Knowledge and understanding of the methodology of conducting scientific research in the scope of identifying and assessing product quality traits and knowledge in the scope of the selection of analysis methods of data obtained with experimental measurements	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	W2	Knowledge and understanding of the main development tendencies in scientific disciplines related to advanced, green technologies in the scope of photovoltaics, biotechnology and waste processing	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	W3	Knowledge and understanding of fundamental dilemmas of modern civilization related to natural environment degradation, in particular, in the area of renewable energy sources, advanced biotechnology methods and waste management	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	U1	Ability to plan the course of experiment in sensory researches of food shelf life and upon designing new products	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	U2	Ability to critically analyse and evaluate the results of scientific research and technical information to predict and evaluate the properties of non-food products and to analyse legal requirements to evaluate or propose packaging labelling	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	U3	Ability to use knowledge to creatively identify, formulate and innovate scientific problems related to advanced green technologies in the field of photovoltaics, as well as biotechnology and waste processing	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	U4	Ability to select chemometric methods in analysing data obtained from experimental measurements and interpreting and drawing conclusions from scientific research results	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	U4	Ability to select chemometric methods in analysing data obtained from experimental measurements and interpreting and drawing conclusions from scientific research results	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	K1	Readiness to critically analyse the scientific achievements in the field of quality sciences	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Research methods in quality science	Klimczak Inga	Final quiz	K2	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W1	Student knows advanced modelling methods and machine learning algorithms used in economic research practice	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W1	Student knows advanced modelling methods and machine learning algorithms used in economic research practice	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W1	Student knows advanced modelling methods and machine learning algorithms used in economic research practice	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W2	Student knows and understands the complex mechanisms of applying statistical models and machine learning algorithms in the area of economic phenomena.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W2	Student knows and understands the complex mechanisms of applying statistical models and machine learning algorithms in the area of economic phenomena.	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W2	Student knows and understands the complex mechanisms of applying statistical models and machine learning algorithms in the area of economic phenomena.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W3	Student is familiar with the most important R software packages dedicated to statistical modelling and machine learning.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W3	Student is familiar with the most important R software packages dedicated to statistical modelling and machine learning.	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	W3	Student is familiar with the most important R software packages dedicated to statistical modelling and machine learning.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	U1	Students is be able to formulate and solve complex economic problems using statistical models and machine learning methods.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	U2	Student is able to communicate with the public using specialised statistics terminology.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	U3	Student is able to use statistical tools (R software) in the area of modelling and machine learning.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	U3	Student is able to use statistical tools (R software) in the area of modelling and machine learning.	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	K1	Student is aware of the limitations of using complex statistical models and machine learning methods in economic research.	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development

3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	K2	Student is ready to recognise the importance of knowledge in solving practical problems in economics.	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Elective	Advanced Statistics	Szymkowiak Marcin	Individual project	K3	Student is ready to critically evaluate the results obtained using complex statistical models and machine learning methods.	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	W1	Student is familiar with the most important paradigms of academic education	K3_W03		W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	W2	Student knows what learning and teaching in constructivist approach means	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	W3	Student knows individual phases of designing classes	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	W4	Student knows the selected strategies of educating students	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	W5	Student understands the roles and tasks of modern academic teachers	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	U1	Student is able to design classes in various paradigms of education	K3	U05	U	can design classes or groups of classes with a use of modern methods and tools
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	U2	Student is able to justify the choice of applied strategies and teaching techniques	K3_U05		U	can design classes or groups of classes with a use of modern methods and tools
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	K1	Student is ready to work in a group	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	K2	Student is ready to undertake a discussion on issues related to academic learning and teaching	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Introduction to academic teaching	Wach Anna	Individual project	K3	Student is ready to analyse the role of a modern teacher	K3_K01		K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge of the principle of knowledge transfer to the economy, obtaining means for research and principles of disseminating the results of scientific activity	K3	W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to use library databases and critically carry out literature studies	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U03		U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to plan own scientific development	K3	U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
3s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Ability to sustain and develop the ethos of research environments	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge of the principle of knowledge transfer to the economy, obtaining means for research and principles of disseminating the results of scientific activity	K3	W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to use library databases and critically carry out literature studies	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U03		U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	U3	Ability to plan own scientific development	K3	U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K1	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3	K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
4s	Mandatory	Joint lectures and workshops/classes	Jewartowski Tomasz	Class participation/ Participation in lectures	K2	Ability to sustain and develop the ethos of research environments	K3	K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W03		W	knows and comprehends the main tendencies in disciplines in which education is being provided
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W05		W	knows and comprehends the fundamental dilemmas of the modern civilization
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W05		W	knows and comprehends the fundamental dilemmas of the modern civilization
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3_U02		U	can critically analyse and assess the research results and their contribution to the development of science
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3	U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3	U05	U	can design classes or groups of classes with a use of modern methods and tools
4s	Elective	Elective specialty seminars 1	Jewartowski Tomasz	Individual project	K1	Readiness to critically specify one's input in the development of science	K3_K01		K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3_W02		W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3_W02		W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3	W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3	W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3	W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3	U02	U	can critically analyse and assess the research results and their contribution to the development of science
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U01		U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U05		U	can design classes or groups of classes with a use of modern methods and tools
4s	Elective	Elective specialty seminars 2	Jewartowski Tomasz	Individual project	K1	Readiness to critically specify one's input in the development of science	K3	K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3_W02		W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3	W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline

5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W1	Knows of the basic ethical standards related to the research practice and detection of researcher's responsibility for the created knowledge systems and consequences of their application in social-economic practice	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W2	Characterizes norms and rules creating professional ethics, knows the content of ethical codes and identifies pathologies of the academic environment	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W3	Knows and understands the forms of intellectual and industrial property protection	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	W3	Knows and understands the forms of intellectual and industrial property protection	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W3	Knows and understands the forms of intellectual and industrial property protection	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	W3	Knows and understands the forms of intellectual and industrial property protection	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W4	Knows and understands the principles of copyrights and intellectual as well as industrial property protection principles.	K3 W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	W4	Knows and understands the principles of copyrights and intellectual as well as industrial property protection principles.	K3 W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	W4	Knows and understands the principles of copyrights and intellectual as well as industrial property protection principles.	K3 W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	W4	Knows and understands the principles of copyrights and intellectual as well as industrial property protection principles.	K3 W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	U1	The student can abide by the standards and rules of ethics in research proceedings and assesses validity and significance of scientific knowledge from imperative social goals	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U1	The student can abide by the standards and rules of ethics in research proceedings and assesses validity and significance of scientific knowledge from imperative social goals	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	U1	The student can abide by the standards and rules of ethics in research proceedings and assesses validity and significance of scientific knowledge from imperative social goals	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U1	The student can abide by the standards and rules of ethics in research proceedings and assesses validity and significance of scientific knowledge from imperative social goals	K3 U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	U2	The student can assess the actions of participants of research practice due to the respected standards and rules of ethics and analyze the causes of occurrence of reprehensible practices in the society of researchers	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U2	The student can assess the actions of participants of research practice due to the respected standards and rules of ethics and analyze the causes of occurrence of reprehensible practices in the society of researchers	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	U2	The student can assess the actions of participants of research practice due to the respected standards and rules of ethics and analyze the causes of occurrence of reprehensible practices in the society of researchers	K3 U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U2	The student can assess the actions of participants of research practice due to the respected standards and rules of ethics and analyze the causes of occurrence of reprehensible practices in the society of researchers	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U3	knowledge of how to distinguish the basic forms of intellectual and industrial property protection	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U3	knowledge of how to distinguish the basic forms of intellectual and industrial property protection	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U3	knowledge of how to distinguish the basic forms of intellectual and industrial property protection	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U3	knowledge of how to distinguish the basic forms of intellectual and industrial property protection	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U4	ability to prepare a report on the thematic search of patent databases	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U4	ability to prepare a report on the thematic search of patent databases	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U5	readiness to apply the rules of allowed permitted use in practice in the scope of industrial and intellectual property rights	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U5	readiness to apply the rules of allowed permitted use in practice in the scope of industrial and intellectual property rights	K3 U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	U5	readiness to apply the rules of allowed permitted use in practice in the scope of industrial and intellectual property rights	K3 U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	U5	readiness to apply the rules of allowed permitted use in practice in the scope of industrial and intellectual property rights	K3 U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3 K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3 K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K1	readiness to care for preserving and prevailing high level of professional ethics and being sensitive towards the wellbeing of research objects, enterprises, local societies, and natural environment	K3 K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection

5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Report	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K2	ability to abide by the rules of bearing responsibility as researchers for the created knowledge and the consequences of its applying in the social-economic practice as well as counteracting non-ethical behaviors of the representatives of the academic environment	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K3	readiness to use the patent databases	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K3	readiness to use the patent databases	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K3	readiness to use the patent databases	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Class participation/ Participation in lectures	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Ethics in scientific research and intellect	Witczak Joanna	Research	K4	readiness to apply the principles of intellectual property protection in the ethical conduct of scientific and economic activity	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W1	Understanding the basic issues in the scope of philosophy of science: dispute inductionism versus deductionism, cumulativism versus anti-cumulativism. Knowledge of the historical development of philosophy of science and knowledge sociology.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W1	Understanding the basic issues in the scope of philosophy of science: dispute inductionism versus deductionism, cumulativism versus anti-cumulativism. Knowledge of the historical development of philosophy of science and knowledge sociology.	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W1	Understanding the basic issues in the scope of philosophy of science: dispute inductionism versus deductionism, cumulativism versus anti-cumulativism. Knowledge of the historical development of philosophy of science and knowledge sociology.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W1	Understanding the basic issues in the scope of philosophy of science: dispute inductionism versus deductionism, cumulativism versus anti-cumulativism. Knowledge of the historical development of philosophy of science and knowledge sociology.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W2	Knowledge of the basic issues related to methodological specificity of individual sciences with special emphasis on the area of economic sciences and their specificity.	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W2	Knowledge of the basic issues related to methodological specificity of individual sciences with special emphasis on the area of economic sciences and their specificity.	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W2	Knowledge of the basic issues related to methodological specificity of individual sciences with special emphasis on the area of economic sciences and their specificity.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W2	Knowledge of the basic issues related to methodological specificity of individual sciences with special emphasis on the area of economic sciences and their specificity.	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W3	Knowledge and understanding of the relations between modelling social reality and its transformation. Ability to understand socio-historical determinants of knowledge development, including knowledge in the field of economic sciences. Awareness of dependence between knowledge (including economic knowledge) and non-scientific factors, including political ones.	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W3	Knowledge and understanding of the relations between modelling social reality and its transformation. Ability to understand socio-historical determinants of knowledge development, including knowledge in the field of economic sciences. Awareness of dependence between knowledge (including economic knowledge) and non-scientific factors, including political ones.	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s	Mandatory	Philosophy of Science	Luty Damian	Report	W3	Knowledge and understanding of the relations between modelling social reality and its transformation. Ability to understand socio-historical determinants of knowledge development, including knowledge in the field of economic sciences. Awareness of dependence between knowledge (including economic knowledge) and non-scientific factors, including political ones.	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	W3	Knowledge and understanding of the relations between modelling social reality and its transformation. Ability to understand socio-historical determinants of knowledge development, including knowledge in the field of economic sciences. Awareness of dependence between knowledge (including economic knowledge) and non-scientific factors, including political ones.	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s	Mandatory	Philosophy of Science	Luty Damian	Report	U1	Ability to conduct meta-reflection concerning own research area with special consideration of the theme of own doctoral dissertation.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U1	Ability to conduct meta-reflection concerning own research area with special consideration of the theme of own doctoral dissertation.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Philosophy of Science	Luty Damian	Report	U1	Ability to conduct meta-reflection concerning own research area with special consideration of the theme of own doctoral dissertation.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U1	Ability to conduct meta-reflection concerning own research area with special consideration of the theme of own doctoral dissertation.	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
5s	Mandatory	Philosophy of Science	Luty Damian	Report	U2	Ability to reconstruct own methodological assumptions, including critical reviewing of own texts. Ability to identify the basic stands in disputes ongoing under the philosophy of science and knowledge sociology as well as taking an autonomous and conscious position in them.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U2	Ability to reconstruct own methodological assumptions, including critical reviewing of own texts. Ability to identify the basic stands in disputes ongoing under the philosophy of science and knowledge sociology as well as taking an autonomous and conscious position in them.	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results

5s	Mandatory	Philosophy of Science	Luty Damian	Report	U2	Ability to reconstruct own methodological assumptions, including critical reviewing of own texts. Ability to identify the basic stands in disputes ongoing under the philosophy of science and knowledge sociology as well as taking an autonomous and conscious position in them.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U2	Ability to reconstruct own methodological assumptions, including critical reviewing of own texts. Ability to identify the basic stands in disputes ongoing under the philosophy of science and knowledge sociology as well as taking an autonomous and conscious position in them.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U3	Ability to differentiate between expert knowledge and other knowledge flows. Ability to disseminate knowledge whilst adhering to evidence-based standards. Ability to detect ideological knowledge conditions.	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	U3	Ability to differentiate between expert knowledge and other knowledge flows. Ability to disseminate knowledge whilst adhering to evidence-based standards. Ability to detect ideological knowledge conditions.	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
5s	Mandatory	Philosophy of Science	Luty Damian	Report	K1	Readiness to perform critical scientific knowledge analysis (its occurrence, verification, dissemination) with special emphasis on knowledge in the area of economic sciences.	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	K1	Readiness to perform critical scientific knowledge analysis (its occurrence, verification, dissemination) with special emphasis on knowledge in the area of economic sciences.	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	K2	Readiness to fulfil social obligations of a researcher, including considering solutions related to the sustainable development and social justice.	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s	Mandatory	Philosophy of Science	Luty Damian	Report	K3	Readiness to fulfil the ethos of researcher's role, including the principles formulated by Merton who accentuates moral obligation of the scientists to act towards communalism/communism, universalism, disinterestedness, originality and organized scepticism (CUDOS).	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s	Mandatory	Philosophy of Science	Luty Damian	Class participation/ Participation in lectures	K3	Readiness to fulfil the ethos of researcher's role, including the principles formulated by Merton who accentuates moral obligation of the scientists to act towards communalism/communism, universalism, disinterestedness, originality and organized scepticism (CUDOS).	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	W1	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W04	W	knows and comprehends the economic, legal and ethical aspects of research, the basic rules of knowledge transfer to economic and social domains and commercialization of research results and know-how , and also rules of dissemination of research activities, including open-access
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	W2	Knowledge and understanding of the main development tendencies and fundamental dilemmas of modern economy	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	U1	Ability to use library databases and critically carry out literature studies	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	U2	Ability to communicate on topics related to the conducted researches	K3_U03	U	can communicate on specialist topics at the level that enables to actively participate in the international environment and to disseminate the research results
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	U3	Ability to plan his/her own scientific development	K3_U04	U	can independently gain and extend knowledge and skills, plan the scientific career, inspire and organize development of other people
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	K1	Readiness to fulfil social obligations of a researcher, thinking and acting in an entrepreneurial manner	K3_K02	K	is prepared to fulfil the social duties of a researcher, to think and act in an entrepreneurial way
5s lub 6s lub	Mandatory	Joint lectures and workshops/classes	Szarzec Katarzyna	Class participation/ Participation in lectures	K2	Ability to sustain and develop the ethos of research environments	K3_K03	K	is prepared to maintain and improve an ethos of research milieu, in particular to do research independently and to respect a rule of public ownership of research results, taking into consideration the rules of the intellectual property protection
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Class participation/ Participation in lectures	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	W1	Knowledge and understanding of the research method in the scope of the scientific subdiscipline in which research is conducted	K3_W02	W	knows and comprehends research methodology to the extent that enables to formulate and solve research problems using research methods and tools appropriate to any given discipline
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Class participation/ Participation in lectures	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	W2	Knowledge and understanding of the subject literature in the scope of scientific subdiscipline	K3_W01	W	knows and comprehends the global achievements in terms of theories, general ideas and selected detailed issues from the discipline connected with the research area that enables to revise existing
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W03	W	knows and comprehends the main tendencies in disciplines in which education is being provided
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Class participation/ Participation in lectures	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	W3	Knowledge and understanding of the development tendencies in the scope of scientific subdiscipline and fundamental dilemmas of modern economy	K3_W05	W	knows and comprehends the fundamental dilemmas of the modern civilization
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Class participation/ Participation in lectures	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	U1	Ability to critically conduct literature studies and assess the used research methods and interpret the results	K3_U02	U	can critically analyse and assess the research results and their contribution to the development of science
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U01	U	can apply knowledge to the creative identification, formulation and innovative solving of research problems, in particular: is able to define a research aim and subject , formulate a hypothesis, develop research methods and tools and to apply them in the creative manner, and to interpret and make conclusions based on the research results
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	U2	Ability to formulate the research problem, goal, hypothesis and select adequate methods to solve the given research problem	K3_U05	U	can design classes or groups of classes with a use of modern methods and tools
6s	Elective	Elective specialty seminars	Jewartowski Tomasz	Individual project	K1	Readiness to critically specify one's input in the development of science	K3_K01	K	is prepared for a critical analysis of scientific achievements within a given scientific discipline, including her/his contribution to its development

Lecturer's profile at the Doctoral School of the PUEB in the discipline[1] economics and finance

1. Name and surname: Maciej Beręsewicz

2. Scientific degrees and titles (discipline, year):

PhD in Economics (Economics and Finance, 2016)

3. Main research interests:

Statistics, Survey methodology, big data, non probability samples, statistical packages

4. 10 main publications, after 2014 (bibliographic description):

[1] Please, fill in: economics and finance or management and quality studies

1. Gatskova, K., Pilc, M., & Beręsewicz, M. (2024). Feeling disadvantaged? Type of employment contract and political attitudes. Socio-Economic Review, 1–25. https://doi.org/10.1093/ser/mwae011
2. Beręsewicz, M., Cherniaiev, H., Mantaj, A., & Pater, R. (2024). Text analysis of job offers for mismatch of educational characteristics to labour market demands. Quality and Quantity, 1799–1825. https://doi.org/10.1007/s11135-023-01707-7
3. Białek, J., & Beręsewicz, M. (2021). Scanner data in inflation measurement: From raw data to price indices. Statistical Journal of the IAOS, 37, 1315–1336. https://doi.org/10.3233/SJI-210816
4. Deszczyński, B., & Beręsewicz, M. (2021). The maturity of relationship management and firm performance – A step toward relationship management middle-range theory. Journal of Business Research, 135, 358–372. https://doi.org/10.1016/j.jbusres.2021.06.026
5. Beręsewicz, M., & Nikulin, D. (2021). Estimation of the size of informal employment based on administrative records with non-ignorable selection mechanism. Journal of the Royal Statistical Society Series C-Applied Statistics, 70, 667–690. https://doi.org/10.1111/rssc.12481
6. Beręsewicz, M., Białkowska, G., Marcinkowski, K., Maślak, M., Opiela, P., Pawlukiewicz, K., & Pater, R. (2021). Enhancing the Demand for Labour Survey by Including Skills from Online Job Advertisements Using Model-Assisted Calibration. Survey Research Methods, 15, 147–167. https://doi.org/10.18148/srm/2021.v15i2.7670
7. Beręsewicz, M. (2019). Correlates of Representation Errors in Internet Data Sources for Real Estate Market. Journal of Official Statistics, 35, 509–529. https://doi.org/10.2478/jos-2019-0022
8. Beręsewicz, M., & Nikulin, D. (2018). Informal employment in Poland: an empirical spatial analysis. Spatial Economic Analysis, 13, 338–355. https://doi.org/10.1080/17421772.2018.1438648
9. Marchetti, S., Beręsewicz, M., Salvati, N., Szymkowiak, M., & Wawrowski, Ł. (2018). The use of a three-level M-quantile model to map poverty at local administrative unit 1 in Poland. Journal of the Royal Statistical Society Series A-Statistics in Society, 181, 1077–1104. https://doi.org/10.1111/rssa.12349
10. Beręsewicz, M. (2017). A Two-Step Procedure to Measure Representativeness of Internet Data Sources. International Statistical Review, 85, 473–493. https://doi.org/10.1111/insr.12217

5. Research grants from external sources, scholarschips after 2010:

Positive decisions
1. NCN Prelude (2014/13/N/HS4/02999) - Use of online data sources in the light of estimation theory on the example of the secondary real estate market in Poland (2015-02-20, 2018-11-19)
2. NCN OPUS 20 (No. 2020/39/B/HS4/00941) - Towards census-like statistics for foreign-born populations -- quality, data integration and estimation (12-07-2021, 11-07-2025)
3. NAWA BEKKER (3 month placement at the University of Manchester)
4. Application of new data sources (big data) in the light of small area estimation}, Visiting grant at the Faculty of Economics and Management, University of Pisa, InGRID grant realized under European Union's Seventh Framework Programme for Research, Technological Development and Demonstration (Grant Agreement No 312691 ,2015.11-2015.12)

Currently in progress:
1. NCN OPUS 24 (2nd phase)

Contractor
1. MNiSW DIALOG 0127/2016 -- Method of continuous educational monitoring in the labour market at a detailed level -- Dr. Robert Pater, Prof. UITM
2. NCN 2015/17/D/HS4/00319 - Analysis of the determinants of labour market institutions -- Dr Michał Pilc
3. NCN 2015/19/D/HS4/01956 - Enterprise maturity in relationship management vs. competitive advantage} -- dr hab. Bartosz Deszczyński

Submitted but not awarded:
OPUS 22 (1st stage) - co-PI
OPUS 21 (1st stage) - contractor
OPUS 21 (2nd stage) - co-PI
SONATA 20 (1st stage) - contractor
Student Research Clubs Create Innovations (2020) -- mentor
Mobility+ (DN/MOB/016/V/2017)
BEETHOVEN (2016, 2nd stage)

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

Marta Szaban, he role of factors influencing consumers' purchase intentions for green personal care products (GPCP), 2024 (promotor pomocniczy)

7. Courses (e.g. in Doctoral School)

Undergraduate degree:
Categorical Data Analysis, previously also (selected): Introduction to R (1st and 3rd year), Descriptive Statistics, Mathematical Statistics

Level II studies:
Incomplete Data Analysis, Internet Research, previously also (selected): Real Estate Market Analysis, Data Analysis in R, Survey Methodology

Doctoral School:
Applied Statistics, previously also Applied Econometrics

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

1. Internships abroad
2015-11-07-2015-12-05 -- University of Pisa (Italy)
2018-05-22-2018-06-30 -- GESIS - Leibniz Institute for the Social Sciences (Germany)

2 Memberships in international organisations/expert teams / scientific editorial boards
The Baltic-Nordic-Ukrainian Network on Survey Statistics, chair for 2023/24
From 2019-04-03 -- The Baltic-Nordic-Ukrainian Network on Survey Statistics -- vice-chair (I represent Poland in this team)
From 2019-03-20 -- Quality group at the CSO -- member of the expert team at the CSO (quality team)
From 2018 to 2023 -- Oeconomia Copernicana -- Statistical Editor
From 2018 -- Economics and Business Review -- Statistical Editor
From 2017-12-20 -- CSO house price statistics team -- Member

3 Research collaborations with the following centres (selected):
University of Helsinki - Prof. Risto Lehtonen
University of Utrecht - Prof. Maarten Cruyff
University of Southampton - Prof. Peter van der Heijden, Prof. Dankmar Böhning

4 Organisation of conferences, events, seminars (selected)
Member of the programme committee of the Summer School on Survey Statistics 3-24.09.2021.
Foreigners in the national labour market - 15-16.03.2018 - member of the organising committee (KO)
International conference European R Users Meeting (eRum 2016) - 12-14.10.2016 chairman KO
Polish Academic R Users Rally 2014 -- chairman KO
PAZUR -- Poznan R user group with more than 600 members (35 meetings since)

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

1. bibliometric assessment of output
Number of total publications: WoS: 10, Scopus: 12
number of total citations: WoS: 41, Scopus: 59, Google Scholar: 248
h-index: WoS: 4, Scopus: 4, Google Scholar: 9

2 National and international projects (position: principal investigator or lead expert)
2.1 National
2021-2022 - Use of administrative records to improve the Survey of Demand for Labour -- the result is a modification of the survey methodology, which provides information on the number of vacancies in Poland. Lead units: US Bydgoszcz and US Poznań.
2017-actual - Foreigners on the local labour market -- the aim is to modernise statistics on foreigners in Poland. Leading unit: CSO.
2.2 International
2020-2024 -- Towards the European Web Intelligence Hub - European system for collection and analysis of online job advertisement data -- the aim of the project is to modernise vacancy statistics in Europe. Lead entity: Eurostat and Cedefop.
2020 -- Inferring job vacancies from online job advertisements -- the aim of the project was to extract job vacancies from online job advertisements (product: publication https://ec.europa.eu/eurostat/web/products-statistical-working-papers/-/ks-tc-20-008). Lead entity: Eurostat.
2016-2017 -- Identification of methods for treating selectivity in big data sources -- The aim of the project was to identify methods to reduce load in big data sources. Lead entity: Eurostat.

3. national scholarships:
FNP Start Scholarship 2018, Scholarship for Outstanding Young Scientists (Ministry of Science and Higher Education)

4. Awards:
awards from the Rector of UEP -- scientific awards: 2nd degree (2020), 1st degree (2021, 2019, 2017); organisational awards: 1st degree (2020,2021), 2nd degree (2017)

5. Students
I also undertake the education of students as an assistant supervisor in doctoral dissertations or supervisor of bachelor's and master's theses, which have been recognised in many local and national competitions, including:
MA Pawlukiewicz -- Estimation of the number of aliens illegally residing in Poland using the hierarchical Gamma-Poisson model (3 awards):
1st prize in the 16th Competition for the Awards of the City of Poznań for outstanding master's and doctoral thesis,
First prize in the Competition for the best master's thesis in statistics organised by the Central Statistical Office,
distinction in the XXVI edition of the Competition for the best bachelor's, engineering and master's thesis defended at UEP in the academic year 2018/2019 (hereinafter: XXVI FUEP Competition).
MA Białkowska, MA Magdalena, MA Marcinkowski -- Internet sources of data on labour demand in Poland -- 1st place in the XXVI FUEP competition,
lic and mgr Voss -- Detection of solar collectors and panels from aerial photographs of the city of Poznan using deep neural networks -- Distinction in XXVI FUEP competition, Data Science Masters.

Lecturer's profile at the Doctoral School of the PUEB in the discipline economics and finance

1. Name and surname: Barbara Będowska-Sójka

2. Scientific degrees and titles (discipline, year):

- PhD degree in finance (2005/04),
- Habilitation in finance, PUEB (2015/06),
- Full Professor in social sciences, discipline economics and finance (2022/03).

3. Main research interests:

Data analysis, financial time series, econometrics, cryptocurrencies, networks;

4. 10 main publications, after 2014 (bibliographic description):

1. Kliber A., Będowska-Sójka B., Proof-of-work versus proof-of-stake coins as possible hedges against green and dirty energy, (2024) Energy Economics, 107820, https://doi.org/10.1016/j.eneco.2024.107820

2. Będowska-Sójka B., Kliber A. Do investors in dirty and clean cryptocurrencies care about energy efficiency in the same way? (2024) Finance Research Letters, 67, 105852 DOI: 10.1016/j.frl.2024.105852

3. Będowska-Sójka Barbara, Joanna Górka, Danial Hemmings, Adam Zaremba Uncertainty and Cryptocurrency Returns: A Lesson from Turbulent Times, International Review of Financial Analysis, 2024, 94, 103330. 10.1016/j.irfa.2024.103330

4. Cakici Nusret, Shahzad Syed Jawad Hussain, Będowska-Sójka Barbara, Adam Zaremba, Machine learning and the cross-section of cryptocurrency returns, International Review of Financial Analysis, 2024, 94, 103244, 1-28. DOI:10.1016/j.irfa.2024.103244

5. Będowska-Sójka B., Kliber A., Do mixed-data sampling models help forecast liquidity and volatility? Przegląd Statystyczny, 2022, vol. 69, 2, 1-19. DOI 10.5604/01.3001.0016.0363

6. Będowska-Sójka B., Kliber A., Can cryptocurrencies hedge oil price fluctuations? A pandemic perspective, Energy Economics, 2022, vol. 115, 106360. https://doi.org/10.1016/j.eneco.2022.106360 https://www.sciencedirect.com/science/article/pii/S0140988322004893

7. Będowska-Sójka B., Demir E., A. Zaremba, Hedging Geopolitical Risk with Different Asset Classes: A Focus on the Russian Invasion of Ukraine, Finance Research Letters, 2022, vol. 50, s.1-8, 103192, https://doi.org/10.1016/j.frl.2022.103192

8. Będowska-Sójka B., Górka J., The lithium and oil markets – dependencies and volatility spillovers, Resources Policy, 2022, https://doi.org/10.1016/j.resourpol.2022.102901

9. Long H., Demir E., Będowska-Sójka B., Zaremba A., Shahzad S.J.H., Is geopolitical risk priced in the cross-section of cryptocurrency returns?, Finance Research Letters, Volume 49, 2022, 103131, https://doi.org/10.1016/j.frl.2022.103131.

10. Będowska-Sójka B., Echaust K., Just M., The asymmetry of the Amihud illiquidity measure on the European markets: The evidence from Extreme Value Theory, Journal of International Financial Markets, Institutions and Money, 2022, 101563, https://doi.org/10.1016/j.intfin.2022.101563.

5. Research grants from external sources, scholarschips after 2010:

- Principal investigator in grant 2021/41/B/HS4/02443 Cross-Sectional Properties of Cryptocurrency Returns, 2022.01-2025.01
- Researcher in Agata Kliber's grant 2022/45/B/HS4/00864 Raising oil prices and the transition towards sustainable transport - the case of Central Europe, 2023.02-2025.02.
- Principal investigator in grant 2017/25/B/HS4/01546 UMO-2017/25/B/HS4/01546 Measurement of liquidity and the dynamics of the transaction process, 2018.02.07-2020.02.06.

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

Bartłomiej Lach, Predicting bankruptcy of enterprises in Poland using the methods of combining and selecting classifiers, 2020;

7. Courses (e.g. in Doctoral School)

Econometrics, Financial Econometrics, Financial Economics, Advanced Financial Market Modelling, Protfolio Theory, Portfolio Management

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

I**mplementation of international research projects**: COST Action 19130 Fintech and Artificial Inteligence in Finance –międzynarodowa sieć badawcza, aktywny udział w szkoleniach, konferencjach, publikacjach.

Participation in international scientific conferences as the so-called invited talks:

- Barbara Będowska-Sójka, Piotr Wójcik, The connectedness of cryptocurrencies in the context of volatility and liquidity, Annual Financial Market Liquidity Conference 2023, Budapeszt 9-10.11.2023
- Barbara Będowska-Sójka, Joanna Górka, Adam Zaremba, Do uncertainty indices affect cryptocurrencies? Lesson from the turbulent times, Modelowanie i prognozowanie gospodarki narodowej, Sopot Conference on Modelling Contemporary Economies, Sopot, 30-31 May 2023.

Participation in international scientific conferences (10 last conferences):

1. Barbara Będowska-Sójka, Agata Kliber, Is There an Impact of the Ethereum Merge on the Relationship Between Ethereum and Energy Portfolios? 1st Modern Finance Conference, Warsaw, 15-17.09.2024.
2. Aleksander Mercik, Barbara Będowska-Sójka, Adam Zaremba, Sitara Karim, Interaction Effects in the Cross-Section of Cryptocurrency Returns, International Society for the Advancement of Financial Economics (ISAFE) Conference 2024, Pattaya, 8-10.07.2024.
3. Barbara Będowska-Sójka, Joanna Górka, Spillovers between risk indices and the cryptocurrency market, EURO 2024 Conference, Denmark University of Technology, Kopenhaga, 30.06-3.07.2024.
4. Barbara Będowska-Sójka, Piotr Wójcik, Sabrina Giordano, A network analysis of cryptocurrency returns, Women in Fintech and AI 4, Rethymino, Crete, 26-27.06.2024.
5. Barbara Będowska-Sójka, Editorial Boards of Finance Journals: the Gender Gap and Social Networks, Conference Closing the Gender Gap in Kosovo, University of Prishtina and UN Woman Kosovo, 21.05.2024, Kosovo.
6. Barbara Będowska-Sójka, Joanna Górka, Adam Zaremba, Do Uncertainty Indices Affect Cryptocurrency Uncertainty: A Lesson from Turbulent Times, American Economic Association, Allied Social Science Associations Conference ASSA, 5-7.01.2024, San Antonio, TX.
7. Barbara Będowska-Sójka, Joanna Górka, Do uncertainty indices affect cryptocurrencies? Lesson from the turbulent times, CFE-CMStatistics 2023 Conference, Berlin 16-18.12.2023.
8. Barbara Będowska-Sójka, Piotr Wójcik, Is Bitcoin dethroned too quickly? The connectedness between the cryptocurrencies, 1st Elsevier Finance Conference at FGV EBAPE, Rio de Janeiro 18-20.11.2023.
9. Barbara Będowska-Sójka, Editorial boards of finance journals: the gender gap and social networks, Gender Equality and Women's Economic Empowerment, Tbilisi, International School of Economics at TSU, 19-20.10.2023.
10. Barbara Będowska-Sójka, Piotr Wójcik, The connectedness of cryptocurrencies, IFORS2023, Santiago, Chile, 10-14.07.2023.

Participation in committees of international scientific conferences:

- Frontiers in DeFi, Complexity Science Hub, Vienna 27.05.2024 - a member of organizing committee https://csh.ac.at/events/frontiers-in-defi/
- Advances in Data Science and AI for Finance: Bridging Academia and Industry - Universita Della Calabria, 3-4.06.2024 - member of scientific committee https://desf.unical.it/didattica/formazione-post-laurea/training-school/

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Member of the editorial boards in:
Research in International Business and Finance
Studies in Economics and Finance
Modern Finance

Reviewer in the journals with IF – detailed info are available on the WoS and ORCID

Lecturer's profile at the Doctoral School of the PUEB in the discipline[1] economics and finance

1. Name and surname:
   Barbara Jankowska
2. Scientific degrees and titles (discipline, year):

Prof. dr hab. (Social sciences)

3. Main research interests:

International competitiveness of firms and industries, FDI, clusters internationalisation of firms and industries, the fourth industrial revolution,

4. 10 main publications, after 2014 (bibliographic description):

1. Jankowska, B., Götz, M., Mińska-Struzik, E., & Bartosik-Purgat, M. (2024). A new wave and the ripples it makes: Post-transition firm's digital maturity and its consequences in global value chains. *Entrepreneurial Business and Economics Review*, *12*, 135–152. https://doi.org/10.15678/EBER.2023.120108 2. Jankowska, B., Mińska-Struzik, E., Bartosik-Purgat, M., Götz, M., & Olejnik, I. (2023). Industry 4.0 technologies adoption: barriers and their impact on Polish companies' innovation performance. *European Planning Studies*, *31*, 1029–1049. https://doi.org/10.1080/09654313.2022.2068347 3. Jankowska, B., Staliński, A., & Trąpczyński, P. (2021). Public policy support and the competitiveness of the renewable energy sector – The case of Poland. *Renewable & Sustainable Energy Reviews*, *149*, 1–11. https://doi.org/10.1016/j.rser.2021.111235 4. Jankowska, B., Bartosik-Purgat, M., & Olejnik, I. (2021). The reverse transfer of knowledge in MNEs: the perspective of foreign subsidiaries in a post-transition country. *Journal of Intellectual Capital*, *22*, 1082–1105. https://doi.org/10.1108/JIC-07-2020-0247 5. Gołębiowski, T., Jankowska, B., Danik, L., Dzikowska, M., Gorynia, M., & Lewandowska, M. S. (2021). *Sprawność innowacyjna filii zagranicznej a jej pozycja w sieci przedsiębiorstwa międzynarodowego : perspektywa filii utworzonych w Polsce*. Difin. 6. Jankowska, B., Götz, M., & Tarka, P. (2021). Foreign subsidiaries as vehicles of industry 4.0: The case of foreign subsidiaries in a post-transition economy. *International Business Review*, *30*, 1–12. https://doi.org/10.1016/j.ibusrev.2021.101886 7. Jankowska, B., Di Maria, E., & Cyngler, J. (2021). Do clusters matter for foreign subsidiaries in the Era of industry 4.0? The case of the aviation

[1] Please, fill in: economics and finance or management and quality studies

valley in Poland. *European Research on Management and Business Economics*, *27*, 1–10. https://doi.org/10.1016/j.iedeen.2021.100150
8. Van Tulder, R., Verbeke, A., & Jankowska, B. (2020). *International Business in a VUCA World: The Changing Role of States and Firms* (T. 14). Emerald Publishing. https://doi.org/10.1108/S1745-8862201914
9. Gotz, M., & Jankowska, B. (2018). Outward foreign direct investment by Polish state-owned multinational enterprises: is 'stateness' an asset or a burden? *Post-Communist Economies*, *30*, 216–237. https://doi.org/10.1080/14631377.2017.1361695
10. Goetz, M., & Jankowska, B. (2017). Clusters and Industry 4.0 – do they fit together? *European Planning Studies*, *25*, 1633–1653. https://doi.org/10.1080/09654313.2017.1327037

5. Research grants from external sources, scholarschips after 2010:

TWIN SEEDS - Towards a World Integrated and Socio-economically Balanced European Economic Development Scenario (Grant agreement ID: 101056793)

Innovation performance of foreign subsidiaries. Projekt NCN, Kierownik projektu w UEP: Jankowska Barbara, start 25-04-2017, end 24-04-2021, completed

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

Maria Kubala, The Role of Multinational Enterprises in the Adoption of ESG Practices – the case of Polish companies investing abroad , obrona przewidziana w 2027 toku
Zakaria Talouni, Host Country Attractiveness for Foreign Direct Investment in Times of Digitalisation. Obrona przewidziana w 2026 roku.

7. Courses (e.g. in Doctoral School)

Publication workshop II

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

Maria Kubala, The Role of Multinational Enterprises in the Adoption of ESG Practices – the case of Polish companies investing abroad , obrona przewidziana w 2027 toku

Zakaria Talouni, Host Country Attractiveness for Foreign Direct Investment in Times of Digitalisation. Obrona przewidziana w 2026 roku.

TWIN SEEDS - Towards a World Integrated and Socio-economically Balanced European Economic Development Scenario (Grant agreement ID: 101056793);
2018 – EIBA President
2015 – 2021 – National Representative of Poland in EIBA

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Association - EIBA, AIB, IT&FA; Senior Editor - European Journal of International Management.

Lecturer's profile at the Doctoral School of the PUEB in the discipline[1] economics and finance

1. Name and surname: Agnieszka Poczta-Wajda

2. Scientific degrees and titles (discipline, year):

Habilitation, Economics, 2018 PhD, Economics, 2008

3. Main research interests:

Food security, sustainable development, agricultural policy, trade liberalization of agricultural products

4. 10 main publications, after 2014 (bibliographic description):

1. Guth M., Matuszczak A., Poczta-Wajda A., Sapa A., i Smędzik-Ambroży K., *What drives European farmers' attitude towards water management - a systematic literature approach*, „Economics and Environment", 2024, t.89, s. 1–15. 2. Nguyen A.T., i Poczta-Wajda A., *The relationship between foreign direct investment, trade openness, exchange rate, and gross domestic product per capita in Vietnam*, „Journal of Economics and Management", 2024, t.46, s. 189–212. 3. Czyżewski B., Poczta-Wajda A., Kułyk P., i Drożdż J., *Small farm as sustainable nexus of contracts: understanding the role of human capital and policy based on evidence from Poland*, „Environment, Development and Sustainability", 2023, t.25, s. 10239–10260. 4. Borychowski M., Sapa A., Czyżewski B., Stępień S., i Poczta-Wajda A., *Interactions between food and nutrition security and the socio-economic and environmental dimensions of sustainability in small-scale farms: evidence from a simultaneous confirmatory factor analysis in Poland*, „International Journal of Agricultural Sustainability", 2022, t.20, s. 998–1014. 5. Stępień S., Czyżewski B., Sapa A., Borychowski M., Poczta W., i Poczta-Wajda A., *Eco-efficiency of small-scale farming in Poland and its institutional drivers*, „Journal of Cleaner Production", 2021, s. 1–15. 6. Poczta-Wajda A., Sapa A., Stępień S., i Borychowski M., *Food Insecurity among Small-Scale Farmers in Poland*, „Agriculture", 2020, t.10, s. 1–18. 7. Poczta-Wajda A., *The Shoemaker's Children Go Barefoot. The Problem of Food Insecurity in Small-Scale Farms in Poland.*, „Annals of Polish Association of Agricultural Economists", 2019, t.XXI, s. 352–360. 8. Poczta-Wajda A., *Polityka wspierania rolnictwa a problem deprywacji dochodowej rolników w krajach o różnym poziomie rozwoju*, Wydawnictwo Naukowe PWN, Warszawa 2017.

[1] Please, fill in: economics and finance or management and quality studies

9. Czyżewski B., Przekota G., i Poczta-Wajda A., *The incidence of agricultural policy on the land market in Poland: Two-dimensional and multilevel analysis*, „Land Use Policy", 2017, t.63, s. 174–185.
10. Poczta-Wajda A., i Sapa A., *Potential Trade Effects of Tariff Liberalization under the Transatlantic Trade and Investment Partnership (TTIP) for the EU Agri-Food Sector*, „Journal of Agribusiness and Rural Development", 2017, t.44, s. 421–433.

5. Research grants from external sources, scholarschips after 2010:

1. Determinants of Food Security and Sustainable Development of Smallholder Farms in Poland Against the Background of EU Regions, NCN grant 2016/21/B/HS4/00653, project leader.
2. Grants for Grants – Support for Polish Coordinators in EU Research Programs, MNiSW grant, project leader.
3. Political Rents in Agriculture of the European Union – A Comparative Analysis Based on the EU27, NCN grant 2013/11/B/HS4/00572, project team member.
4. Agricultural Policy in Countries with Different Levels of Development – Rationale and Mechanisms of Intervention, NCN grant 2011/01/D/HS4/01954, project leader.

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

1. Daniel Ariel, Socio-economic determinants of innovation adoption in Israeli agriculture : the case of irrigation technologies, 2020.
2. Michał Borychowski, Economic Determinants of the Development of the Liquid Biofuels Sector in Poland and Germany after 2004, 2016.

7. Courses (e.g. in Doctoral School)

Advanced Macroeconomics (in English, in DS);
Microeconomics (in English, Bachelor's level), Macroeconomics (in English, Bachelor's level), Fundamentals of Macroeconomics (in Polish, Bachelor's level), Microeconomics (in Polish, Bachelor's level), Food Security (in Polish, Bachelor's level);
Macroeconomics II (in Polish, Master's level), International Business Environment (in Polish, Master's level), Financial Instruments in Business Operations (in Polish, Master's level)

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in

international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

Participation in committees of international scientific conferences:

Member of the Program Committee of the XVI Congress of the European Association of Agricultural Economists (EAAE) "Raising the Impact of Agricultural Economics: Multidisciplinarity, Stakeholder Engagement and Novel Approaches," July 20-23, 2021, Prague

Selected participation in international scientific conferences, including the so-called invited talks

1. XVI Congress of the European Association of Agricultural Economists (EAAE): "Raising the Impact of Agricultural Economics: Multidisciplinarity, Stakeholder Engagement and Novel Approaches," July 20-23, 2021, Prague, Czech Republic, Presentation: *Eco-efficiency of small-scale farming in Poland and its institutional drivers;* Poster: *Food Insecurity in Developed Countries: The Case of Small-Scale Farmers in Poland*
2. 8th International Conference of the European Center for Sustainable Development: "Creating a Unified Foundation for Sustainable Development: Research, Practice and Education," September 9-10, 2020, Rome, Italy, Presentation: *Exploring Eco-Efficiency in Small-Scale Farming: How Governance, Policy, and Human Capital Contribute to Sustainability*
3. XXVI Congress of the Polish Association of Agricultural Economists (SERiA): "Challenges for the Development of Agribusiness and Rural Areas," September 3-5, 2019, Poznań, Invited plenary speech: *Support for Producers in the World – Contemporary Trends and Predictions*
4. Forum of the Leibniz Institute of Agricultural Development in Transition Economies (IAMO): "Small Farms in Transition: How to Stimulate Inclusive Growth?" June 26-28, 2019, Halle, German, Presentation: *Self-perception of Food Security among Smallholder Farmers in Poland*
5. International Conference: "Trade Development of Trade Relations from the Perspective of Economic Integration of the Republic of Moldova into the International Economy," September 21-22, 2017, Chișinău, Moldova, Invited plenary speech: *Strengthening Trade Between Moldova and the European Union – A Case of Polish-Moldovan Trade*
6. XV Congress of the European Association of Agricultural Economists (EAAE): "Towards Sustainable Agri-food Systems: Balancing Between Markets and Society," August 29 – September 1, 2017, Parma, Italy, Poster presentation: *Amenities Versus Use Values: Two-dimensional and Multilevel Analysis of Farmland Prices in Poland*

Scholarships and internships

I-IV.2024, Slavic Award scholarship from the Polish-American Fulbright Foundation, Center for Slavic Studies, Ohio State University, Columbus, USA

IX-X.2024, research internship, NAWA bilateral exchange program for scientists, Faculty of Economics and Rural Development, Vietnam National University of Agriculture, Hanoi, Vietnam

V.2023, Erasmus+ teaching internship, University of Varna, Varna, Bulgaria

X.2022, Erasmus+ teaching internship, University of Maribor, Maribor, Slovenia

VI.2022, Erasmus+ teaching internship, Armenian State University of Economics, Yerevan, Armenia

IV.2022, Erasmus+ teaching internship, Mendel University in Brno, Brno, Czech Republic

IV.2019, Erasmus+ teaching internship, American University of Central Asia, Bishkek, Kyrgyzstan

X-XI.2018, academic and teaching scholarship, University of Macerata, Department of Political Science, Communication and International Relations, Macerata, Italy
VI-VII.2018, teaching internship, Chonnam University International Summer Session, Gwangju, South Korea
IV.2018, Erasmus+ research internship, "1 Decembrie 1918" University of Alba Iulia, Alba Iulia, Romania
I-III.2016, research internship, Department of Agricultural Economics, Sociology, and Education, Pennsylvania State University, State College, USA
XI.2015, Transformation.doc Program Scholarship, regular soft-skills course, University of Alberta, Edmonton, Canada
II.2015, Qatar Foundation scholarship, Second Winter School on the Analytics and Policy Design of Migration, Georgetown University, School of Foreign Service in Qatar, Doha.

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Membership in scientific bodies
Polish Association of Agricultural Economists and Agribusiness;
European Association of Agricultural Economists

Membership in editorial committees of scientific journals
Village and Agriculture

Lecturer's profile at the Doctoral School of the PUEB in the discipline economics and finance

1. Name and surname: Katarzyna SZARZEC

2. Scientific degrees and titles (discipline, year):

Since 07/23	Full Professor in economics and finance
10/14-06/15	Postgraduate studies "Management of research and development projects", WSB Poznań
12/13	Habilitation in economics and finance, PUEB
05/04	PhD degree in economics and finance, PUEB
10/94-06/96	Postgraduate studies "Pedagogy", PUEB
10/92 – 02/97	MA, international economic relations, PUEB

3. Main research interests:

- Macroeconomics, economic policy
- Role of a state in economy
- Political and economic transformation of Central-Eastern European countries
- State-owned enterprises

4. 10 main publications, after 2014 (bibliographic description):

1. Szarzec, K., Piątek, D., Totleben, B., 2023. An Odyssey With a Happy End: The Polish Economic Transition – Outcome and Lessons, W: Modeling Economic Growth in Contemporary Poland / Bukalska Elżbieta, Kijek Tomasz, Sergi Bruno S. (red.), Entrepreneurship and Global Economic Growth, 2024, Leeds, Emerald Publishing.
2. Szarzec, K., 2023. Przedsiębiorstwa państwowe we współczesnej gospodarce – cele i uwarunkowania efektywności działania, Ekonomista, nr 3.
3. Szarzec, K., Marszałek, P., 2023. The good, the bad or the ugly: financialization through heterodox and mainstream lenses, Bank i Kredyt, no 3.
4. Szarzec, K., 2022. Państwo jako właściciel przedsiębiorstw. Polityka-gospodarka-dziedzictwo historyczne. UEP Poznań.
5. Szarzec, K., Totleben, B., Piątek, D., 2022. How Do Politicians Capture a State? Evidence from State-Owned Enterprises, East European Politics and Societies, vol. 36, no 1.
6. Szarzec K., Dombi, A. Matuszak P., 2021, State-owned enterprises and economic growth: Evidence from the post-Lehman period, Economic Modelling, vol. 99.
7. Szarzec, K., Nowara, W., Totleben, B., 2021. State-owned enterprises as foreign direct investors: insights from EU countries, Post-Communist Economies, Taylor & Francis Journals, vol. 33(5), pages 517-540, July.
8. Szarzec, K., Kabaciński B., Kubiak, J., 2020. Do State-owned Enterprises Underperform Compared to Privately owned Companies? An Examination of the Largest Polish Enterprises," Emerging Markets Finance and Trade, Taylor & Francis Journals, vol. 56(13), October.
9. Szarzec K., Piątek D., Pilc M., 2019, What determines the institutional change in transition economies?, Argumenta Oeconomica, vol. 1.
10. Szarzec K., Nowara W., 2017, The economic performance of state-owned enterprises in Central and Eastern Europe, Post-Communist Economies, vol. 29.

5. Research grants from external sources, scholarschips after 2010:

2019-2022	Grant “Determinant of financialization in new economy - bayesian approach”, financed by “Regional Initiatives of Excellence”, 2018-2021, manager and main investigator
2015-2020	Grant NCN, no 2015/17/B/HS4/00327, “Modern state capitalism in CEE countries – efficiency of state-owned enterprises”, manager and main investigator, 2015-2020
2011-2014	Grant NCN no 2011/01/B/HS4/01051 ”Economic freedom and a state in the contemporary macroeconomics”, 2011-2014, manager and main investigator
2010-2013	Grant NCN, „Alternative ways of supporting and enhancing of innovation”, investigator
2008-2010	Grant MNiSW ”Impact of liberlism on the proces of economic transformation in Poland”; main investigator

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

Bartosz Totleben, Ekonomiczne i polityczne uwarunkowania upadłości państwa (*Economic and political determinants of state failure*), 2017
Piotr Matuszak, State-owned enterprises in European economies in the 21st century, 2021
Stanisław Rzepka, Ewolucja koncepcji człowieka gospodarującego w pracach Ludwiga von Misesa (*Evolution of the concept of economic man in Ludwig von Mises’s works*), 2023

7. Courses (e.g. in Doctoral School)

Macroeconomics, Economic history, History of economic thought, Comparative analysis of national economies, Research project design 2Projektowanie badań naukowych 2 (Doctoral School),
Bachelor/ Master/ PhD seminars

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

2023	Summer School Etvos Lorand University in Budapeszt, course “State-owned enterprises in global economy”
2010-2023	Programme Erasmus LPP in: Mendel University Brno, University of Riga, University of Sevilla, Groningen University, University of Macerata in Italy, Charles University Prague
2013	Literature studies in City Business Library and LSE Library in London (1 month)
2012	Visiting Senior in University of Glasgow, Adam Smith Business School, scholarship "Senior Fellowship" received from Dekaban-Liddle Warsaw-Glasgow Foundation (1 month)

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Chairman of doctoral studies at the Faculty of Economics PUEB (2016-2020)
Vice -director of Doctoral School PUEB (2019-2021)
Director of Doctoral School PUEB (2021-)
Member of Academic Advancement Board PUEB (2019-)
Vice-chairman of Committee of Economic Sciences at the Polish Academy of Sciences (2024-)
Chairman of Department of Macroeconomics and Development Studies (2024-)
Member of PTE and PTPN

Awards:
Awards for the best doctoral thesis competition, PTE-PFAKE, 2005
Prize of President of National Central Bank of Poland for the best paper published in „Bank i kredyt", 2024 (Szarzec, K., Marszałek, P., 2023. The good, the bad or the ugly: financialization through heterodox and mainstream lenses, Bank i Kredyt, no 3.)

Scholarship of Foundation for Polish Science, visiting senior in Institute of Regional and Global Studies in Warsaw University (3 months), 2007

Lecturer's profile at the Doctoral School of the PUEB in the discipline management and quality studies

1. Name and surname: Maciej Ławrynowicz

2. Scientific degrees and titles (discipline, year):

2004 PhD, economics; 2014 habilitation, management studies

3. Main research interests:

Human resource management (digital competence in AI-human interactions, digital nomadism, digital well-being, HR practice effectiveness); organizational and professional identity (cooperative banks, legal professions, psychotherapists), school-to-work transition; social policy (qualitative research on long-term care)

4. 10 main publications, after 2014 (bibliographic description):

1. Łuczak P., Ławrynowicz M.: Regulatory noncompliance among unlicensed care homes: Evidence from Poland, Social Policy & Administration, vol. 58, nr 3, 2024, s. 491-504, DOI:10.1111/spol.12982
2. Bussi M., Hora O., Ławrynowicz M., Schoyen M.: Learning from precarious trajectories: portraits of young adults in four European countries, W: School-to-Work Transition In Comparative Perspective / Buttler Dominik, Ławrynowicz Maciej, Michoń Piotr (red.), 2023, Edward Elgar Publishing, ISBN 978-1-80037-011-1, s. 64-87, DOI:10.4337/9781800370111.00011
3. Sirovátka T., Hora O., Krasteva V., Ławrynowicz M.: Do the interactions with employment services and other institutions facilitate school-to-work transitions? Experiences of young people in Bulgaria, Czechia and Poland, W: School-to-Work Transition In Comparative Perspective / Buttler Dominik, Ławrynowicz Maciej, Michoń Piotr (red.), 2023, Edward Elgar Publishing, ISBN 978-1-80037-011-1, s. 121-154, DOI:10.4337/9781800370111.00013
4. Łuczak P., Ławrynowicz M.: How did the great transformation shape housing pathways? The case of older women living alone, Housing Studies, vol. 38, nr 6, 2023, s. 1050-1067, DOI:10.1080/02673037.2021.1929861
5. Durczak K., Gnusowski M., Ławrynowicz M.: Obstacles to Digital Innovation in KIBS —The Case of Law Firms in Poland, Foresight and STI Governance, National Research University, Higher School of Economics, vol. 16, nr 1, 2022, s. 54-67, DOI:10.17323/2500-2597.2022.1.54.67
6. Nadobnik H., Durczak K., Ławrynowicz M.: Temporality and the aging self. How subjective time is folding over its linear progression, Journal of Aging Studies, vol. 57, 2021, s. 1-12, DOI:10.1016/j.jaging.2021.100933
7. Durczak K., Ławrynowicz M.: Between care and justice : David Hume's Accounts of Sympathy, W: Business Ethics and Care in Organizations / Fotaki Marianna, Islam Gazi, Antoni Anne (red.), 2020, Routledge, ISBN 9780367140601, s. 58-73
8. Ławrynowicz M., Marcinkowska M.: Covid–19 and the HR Response of Banks: The Employee Perspective, Zarządzanie Zasobami Ludzkimi, nr 6, 2020, s. 129-143, DOI:10.5604/01.3001.0014.5843
9. Ławrynowicz M.: Pani sędzia - tożsamości kobiet sprawiedliwości, W: Siłaczki szefowe społeczniczki: Polki, organizatorki / Bogacz-Wojtanowska Ewa, Kostera Monika (red.), 2019, Wydawnictwo Uniwersytetu Jagiellońskiego, ISBN 978-83-233-4681-4, s. 327-342

10. Durczak K., Koperska A., Piasecki P., Ławrynowicz M.: ZZL w ostrych barwach : bibliometryczna analiza podejść i metod badawczych, Zarządzanie Zasobami Ludzkimi, nr 2, 2017, s. 31-50

5. Research grants from external sources, scholarships after 2010:

1. 2024-2026 DIGIT: People and algorithms in organizations: competencies to work in the digital environment (NAWA Strategic Alliances)
2. 2022 - e-Wanderlust: Striking Harmony between Work and Well-being in the Nomadic Lifestyle, funded by the Slovenian Research Agency – Core Project Funding J5-2555 (Organizing for digital), researcher
3. 2019-2023 wykonawca Contemporary Social Policy Towards Work and Family – education and research, NAWA Strategic Alliances, researcher
4. 2019 – 2023 Wykonawca projektu NCN Harmonia School-to-Work Transition in a Comparative Perspective
5. 2019 -2023 Head of the sub-task Using labor market information to design UEP education adapted to socio-economic needs subsidized by the POWER program (surveys, diaries, in-depth interviews, action research)
6. 2011-2022 Polish Bank Association with z J. Szambelańczyk, P. Piasecki, HRM in cooperative banking sector in Poland (2011, 2013, 2015, 2017, 2019, 2022)

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

1. Bojarczuk-Ożańska Barbara: Strategie radzenia sobie z ograniczeniami dochodowymi w wielodzietnych gospodarstwach domowych/ Coping straegies in multi-child housholds, 2023,
2. Pietrzak Marta: Uwarunkowania wyboru miejsca pracy przez lekarzy w Polsce/Determinants of medical professionals' workplace choice in Poland, 2023,
3. Nadobnik Halina: The implementation of social activity idea for older people. The local aging policy in the city of Poznan, 2022,
4. Koperska Alicja: Emergencja trybów organizowania w organizacjach kooperacyjnych/Emergence of organizing modes in collaborative organizations, 2022,
5. Durczak Krzysztof: Organizowanie sprawy sądowej jako proces przekładu Organizing a court case as a process of translation, 2022,
6. Katan Moshe: Reconstructing the process of leadership development, 2021,
7. Neta Sagiv: Perception of remoteness as a determinant of engagement and accountability in virtual teams, 2021,
8. Margalit Moshe: The impact of founders' military background on organisational culture, 2020,
9. Marbach Ofer: Effectiveness of special education schools of Israel, 2017
10. Piasecki Przemysław: Segmentacja zatrudnienia w bankach spółdzielczych w Polsce/ Employment segmentation in cooperative banks in Poland, 2016

7. Courses (e.g. in Doctoral School)

Quantitative and Qualitative reseach methods

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

Research projects
Od 2022 - e-Wanderlust: Striking Harmony between Work and Well-being in the Nomadic Lifestyle, funded by the Slovenian Research Agency – Core Project Funding J5-2555 (Organizing for digital), współpracownik, badacz
2020 -2022 Organisational culture and human resource management in UK building societies, 2014, HRM Management in Europe and Future Perspectives in Arnhem Business School,

Training and research visits (2022) OsloMet University, Norway, (2015) University of Pisa, Italy, (2014) Arnhem Business School Holand, (2014) Sweden, Őrebro, (2011, 2012) Queen Mary University, London

Selected conferences since 2017
Organising fashion – institutional logic approach, European Group of Organizational Studies, Hebrew University of Jerusalem, Maciej Lawrynowicz, 2017
Breeding moth: The role of ugliness and imperfection in professional identity construction 36th Standing Conference on Organizational Symbolism, Tokyo, Bartosz Sławecki Maciej Ławrynowicz 2018
Maciej Ławrynowicz Krzysztof Durczak *Heart of brightness: Deinstitutionalizing of stigma as a process of becoming 'the wise' during a journey to the leprosy care center,* 34th EGOS Tallin Estonia, 2018
Wellbeing Facility as a Value Proposition for Sustainable Human Resource Management, IMPForum Seminar in Ancona G. Leszczyński, A.Rogala, M. Lawrynowicz 2019
Breaking through the barriers of service innovation.Value propositions of LegalTech companies in resistant markets, Glasgow, Strathclyde University, SERVSIG 2022 conference, M.Gnusowski, M.Lawrynowicz, A.Durczak, 2022
The art of repair, Group Relations Conference, Kraków 2023

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

European Group of organizational Studies – 2020-2023
Academy of Management – since 2021

Lecturer's profile at the Doctoral School of the PUEB in the discipline management and quality studies

1. Name and surname: Alina Matuszak-Flejszman

2. Scientific degrees and titles (discipline, year):

Professor – Social Sciences, 2020
Dr. Hab. – Economic Sciences, Commodity Science, 2010
PhD – Economic Sciences, Commodity Science, 2000

3. Main research interests:

quality management, environmental management, sustainable organizational management

4. 10 main publications, after 2014 (bibliographic description):

1. Matuszak-Flejszman Alina, Łukaszewski Sebastian, Budna Klaudia : Reporting sustainable development in Polish commercial banks, Engineering Management in Production and Services, 2023, vol. 15, nr 3, s.42-52. DOI:10.2478/emj-2023-0019
2. Paliwoda Beata, Matuszak-Flejszman Alina, Ankiel Magdalena : The Impact of Environmental Indicators on Consumer Purchase Decisions for Food Products, Sustainability, 2024, vol. 16, nr 5, s.1-15, Numer artykułu:1834. DOI:10.3390/su16051834
3. Matuszak-Flejszman Alina, Preisner Anna, Banach Joanna : Transport-Related Emissions and Transition Strategies for Sustainability - A Case Study of the Fast Fashion Industry, Sustainability, 2024, vol. 16, nr 17, s.1-19, Numer artykułu:7749. DOI:10.3390/su16177749
4. Błaszczyk Alfred, Matuszak-Flejszman Alina, Nawrocki Kamil : Determinants of the development of photovoltaics in Poland, Renewable Energy, 2024, vol. 233, s.1-13, Numer artykułu:121161. DOI:10.1016/j.renene.2024.121161
5. Kamińska-Witkowska Aleksandra, Matuszak-Flejszman Alina : Possibility of using EMAS environmental reporting requirements for ESG reporting in selected automotive corporations, Ekonomia i Środowisko, 2023, vol. 85, nr 2, s.347-368. DOI:10.34659/eis.2023.85.2.588
6. Matuszak-Flejszman Alina, Paliwoda Beata : Effectiveness and Benefits of the Eco-Management and Audit Scheme: Evidence from Polish Organisations , Energies, 2022, vol. 15, nr 2, s.1-14, Numer artykułu:434. DOI:10.3390/en15020434
7. Matuszak-Flejszman Alina, Szyszka Beata, Jóhannsdóttir Lára : Effectiveness of EMAS: A case study of Polish organisations registered under EMAS, Environmental Impact Assessment Review, 2019, vol. 74, s.86-94. DOI:10.1016/j.eiar.2018.09.005
8. Matuszak-Flejszman Alina (*red.*): Product and Process Management. Economic and Environmental Aspects in Organization, Process and Product Management, 2016, Poznań, Poznań University of Economics and Business, 210 s., ISBN 978-83-943304-3-9
9. Matuszak-Flejszman Alina (*red.*): Zarządzanie środowiskowe, 2023, Poznań, Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu, 336 s., ISBN 978-83-8211-189-7. DOI:10.18559/978-83-8211-190-3
10. Matuszak-Flejszman Alina (*red.*): Zarządzanie jakością, 2021, Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu, 325 s., ISBN 978-83-8211-063-0
11. Matuszak-Flejszman Alina : System ekozarządzania i audytu (EMAS) w organizacji, 2019, Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu, 272 s., ISBN 978-83-66199-00-2. DOI:10.18559/978-83-66199-62-0

5. Research grants from external sources, scholarschips after 2010:

- 01/2022- present – Environmental efficiency of the organization and its determinants, OPUS, NCN, Project number: 2021/41/B/HS4/02391 – project manager
- 01/2017-01/2019 – New international education program for second-cycle studies Product & Process Management at the Faculty of Commodity Science, UEP, Operational Program Knowledge Education Development, priority axis POWR.03.00.00. Higher education for economy and development, Action: POWR.03.03.00. Internationalization

of Polish Higher Education, NCBiR, No. POWR.03.03.00-00-M098/16-00 – Project manager
- 01/2017-09/2020 – Raising competences of ZIP students at the Faculty of Commodity Science, Priority axis: III. Higher education for economy and development, Activity: 3.1. Competencies in higher education, NCBiR, No. POWR.03.01.00-00-K251/16-01 – project manager
- 01/2015-05/2016 – Product & Process Management. Environmental Focus – design and launch of engineering studies in English, Norwegian Scholarship and Training Fund, Development of Polish Universities, No. FSS/2014/HEI/W/0120/U/0030 – project manager
- 01/2014-06/2015 – Training and consulting for pro-ecological micro, small and medium-sized enterprises – Green Light, Priority: II. Development of human resources and adaptation potential of enterprises and improvement of health of working people, Activity: 2.1. Development of personnel for the modern economy, Sub-measure: 2.1.1 Development of human capital in enterprises, PARP, No. POKL/2.1.1/2012/ZS – project manager/coordinator
- 07-12/2012 – Introduction of innovative solutions in the field of environmental management, taking into account the requirements of the eco-management and audit system EMAS in PUBT ANDER-87, No. SNN II 01.07.2012 – project manager
- 06-10/2010 – Assessment of the impact of customer requirements and other interested parties on the improvement of standardized management systems in the organization (UEP-UP), No. 51103-501 – project manager

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

1. Patryk Feliczek – 17/10/2014 – Determinants of the effectiveness of the quality management system in medical device companies
2. Beata Szyszka – 17/06/2016 – Effectiveness of the EMAS Eco-Management and Audit System in organizations in Poland
3. Aleksandra Kamińska-Witkowska – 6/10/2023 – Use of Lean Manufacturing tools in achieving environmental performance in automotive factories
4. Klaudia Młoda-Brylewska – 4/10/2024 – Strategies of retail chains in the field of sustainable management on the example of shopping bags
5. Emilia Konopka – Determinants of the effectiveness of the EMAS eco-management and audit system in European Union organizations – in review
6. Anna Preisner – in progress
7. Kamil Nawrocki – in progress

7. Courses (e.g. in Doctoral School)

- Quality Science - Advanced
- Quality Management
- Environmental Management
- Quality Management Fundamentals
- Integrated Management System Audit
- Environmental Management Systems
- Quality Management Methods and Techniques

- Production Process Improvement Techniques
- Standardized Management System Audit

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

- Participation in the implementation of the EFSS Norwegian Scholarship and Training Fund program as a project manager: Product & Process Management. Environmental Focus (01/2015-05/2016);
- Participation in the SUSFOOD project, participation in workshops organized by the JRC European Commission (09/2013), Brussels;
- Participation in the implementation of the EFSS Norwegian Scholarship and Training Fund program as a contractor: Green Controlling and Finance (10/2015-05/2016).
- As an EMAS expert in the work of the European Commission on the modification of the EMAS regulation, European Commission (11/2011, 05/2012, 2017-2018), Brussels;
- As an EMAS expert in the work of the European Commission on the work on reference documents (since 2011), Brussels;
- As an expert in the SUSFOOD project, participation in workshops organized by the JRC European Commission (09/2013), Brussels;
- As an expert in the project on the modification of international standards ISO 14001 and ISO 14004 implemented within the subcommittee on environmental management SC1/ ISO/TC 207 (2011-2016), Geneva;
- As an expert in the project on work on ISO 14020 series standards within the committee on environmental management ISO/TC 207 (since 2016);
- In expert consultations with OECD representatives – expert on environmental management appointed by the Ministry of Environment (11/2012, 03/2015), Warsaw;
- As a consultant in the assessment of the planned investment (OSB Production Plant) implemented by Kronospan UA LLC, based in Novovolynsk, Ukraine, in terms of environmental and social impacts according to the guidelines of the European Bank for Reconstruction and Development (12/2018-01/2019);
- Green Cross Poland – expert in environmental management (2010-2018).

Scientific internships:

- University of Sheged, Hungary – 06/2022
- Norwegian University of Science and Technology in Trondheim – 05/2015;
- Karlsruhe Institute of Technology – 08/2013;
- University of Potsdam – 07/2017;
- University of Reykjavik – 05/2015 and 05/2016;
- Sheffield Technology Park – 02/2014;
- University of Sheffield – 02/2014;
- England, Rotherham, AMP Technology Center Advanced Manufacturing Park, Huddersfield, 3M Buckley Innovation Center – 11/2013;
- Romania, Bucharest University of Economics Studies – 09/2011.

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

- Member of the International Committee of Standardization, ISO TC/270 Environmental Management, SC1 (since 2008);
- Member of the International Society of Commodity Science and Technology (since 2012);
- Member of the Association of Engineering, Project, and Production Management EPPM (since 2018).
- EMAS expert appointed by the Ministry of the Environment for the European Commission (since 2011);
- Participation in the EMAS AWARD competition committee (11.2011);
- Expert in environmental management appointed by the Ministry of the Environment for assessments conducted by the OECD – (since 2011);
- NCBiR – scientific and research expert and leading expert for the assessment of applications in the Smart Growth Operational Program. Fast track for SMEs; participation in pre-panels and panels (since 2016);
- NCBiR – scientific and research expert for the assessment of applications in the LIDER Program (since 2017);
- EMAS Expert appointed by the General Directorate for Environmental Protection (since 2015);
- Environmental management expert appointed by the Polish Committee for Standardization in the scope of work carried out within the International Committee for Standardization ISO/TC 207 (since 2009);
- Environmental management expert at the Polish Committee for Standardization – reviewing ISO 14000 series standards, translating ISO 14001 standard, verifying translations of ISO 14004 standard (since 2010);
- Environmental management expert, accredited trainer of lead auditors on behalf of IQNET (since 2015);
- Environmental management expert at the Environmental Commission at the Polish Committee for Environmental Protection (2014-2018);
- Environmental management expert at the impartiality committee of Det Norske Veritas (2015-2022);
- Expert in environmental management in the Bureau Veritas Certification impartiality committee (2014-2022);
- Expert in the development of indicators for assessing the environmental performance of organizations in the Ministry of Economy (2015-2017).

Lecturer's profile at the Doctoral School of the PUEB in the discipline[1] management and quality science

1. Name and surname: **Milena Ratajczak-Mrozek**

2. Scientific degrees and titles (discipline, year):

Habilitation degree (discipline of management science, 2018) PhD degree in economics ((discipline of management science, 2008)

3. Main research interests:

- Companies' cooperation, business networks and network approach - Embeddedness - Competitive advantage and corporate performance - Companies' Internationalization, international business - Sustainable development of companies - High-tech companies, furniture industry, vegan industry - International marketing

4. 10 main publications, after 2014 (bibliographic description):

1. M. Ratajczak-Mrozek, A. Hauke-Lopes, D. Harrison, 2024, *The evolution of contractual and relational governance mechanisms when platforms are actors in networks*, Industrial Marketing Management, Elsevier, Vol. 121, 198-212 (Impact Factor 7,8) 2. E. Baraldi, D. Harrison, J. Kask, M. Ratajczak-Mrozek, 2024, *A Network Perspective on Resource Interaction: Past, Present, and Future. The Editorial to the Special Issue*, Journal of Business Research, Elsevier, Vol. 172, 114253 (Impact Factor 11,3) 3. A. Hauke-Lopes, M-Ratajczak-Mrozek, M. Wieczerzycki, 2023, *Value co-creation and co-destruction in the digital transformation of highly traditional companies*, Journal of Business & Industrial Marketing, Emerald Group, Vol. 38, No. 6, 1316-1331 (Impact Factor 3,319) 4. F. Prenkert, K. Hedvall, N. Hasche, J. Eklinder Frick, M. H. Abrahamsen, H. Aramo-Immonen, E. Baraldi, R. Bocconcelli, D. Harrison, L. Huang, L. Huemer, J. Kask, M. Landqvist, A. Pagano, A. Perna, L. Poblete, M. Ratajczak-Mrozek, S. Wagrell, 2022, *Resource interaction: Key concepts, relations and representations*, Industrial Marketing Management, Elsevier, Vol. 106, pp. 48-59 (Impact Factor 10,3) 5. W. Bai, L. Oliveira, M. Johanson, M. Ratajczak-Mrozek, B. Francioni, 2022, *Where business networks and institutions meet: Internationalization decision-making under uncertainty*, Journal of International Management, Elsevier, 28, No. 1, pp. 100904 (Impact Factor 4,645)

[1] Please, fill in: economics and finance or management and quality studies

6. A. Hauke-Lopes, M. Wieczerzycki, M. Ratajczak-Mrozek. 2022, *Extra-industry imitation of digital platform business models*, Entrepreneurial Business and Economics Review, Vol. 10, No. 4, pp. 91-105.
7. W. Bai, L. Oliveira, M. Johanson, M. Ratajczak-Mrozek, 2021, *The role of business and social networks in the effectual internationalization: insights from emerging market SMEs*, Journal of Business Research, Elsevier, Vol. 129, pp. 96-109 (Impact Factor 4,874)
8. P. Lassalle, M. Johanson, J.D. Nicholson, M. Ratajczak-Mrozek, 2020, *Migrant entrepreneurship and markets: The dynamic role of embeddedness in networks in the creation of opportunities*, Industrial Marketing Management, Elsevier, Vol. 91, pp. 523-536 (Impact Factor 4,695)
9. E. Baraldi, M. Ratajczak-Mrozek, 2019, *From supplier to center of excellence and beyond: The network position development of a business unit within "IKEA Industry"*, Journal of Business Research, Elsevier, Vol. 100, pp. 1-15 (Impact Factor 4,03)
10. M. Ratajczak-Mrozek, 2017, *Network Embeddedness. Examining the Effect on Business Performance and Internationalization*, Palgrave Macmillan, Cham, Switzerland.

5. Research grants from external sources, scholarschips after 2010:

- Research project financed by the National Science Center entitled: "Global and local dimensions of business networks", No. UMO-2012/05/D/HS4/01138 (2013-2016)
- Research entitled "Innovative services for the development of foreign activities of enterprises" for the needs of Advance Mgmt Sp. z o. o. (as part of the implementation by the company of "Voucher" No. 6/48810 for co-financing research, advice or consultations in a scientific institution, implemented as part of the systemic project of the Human Capital Operational Program, Priority VIII, Measure 8.2, Sub-measure 8.2.1, Support for cooperation in the sphere science and enterprises, Marshal's Office of the Greater Poland Voivodeship (August - November 2012)

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

- Saleh Md Arman, The link between Ethical Consumption and Business Practices facilitating Circular Economy, in progress
- Filip Nowacki, The impact of international entrepreneurship based on cooperation on shaping the competitiveness of the enterprise, 2018, auxiliary supervisor

7. Courses (e.g. in Doctoral School)

- Poznań University of Economics and Business (first and second cycle studies): Basics of management, Basics of marketing, International marketing, Contemporary marketing strategies on foreign markets, Behavior of companies in international business networks, Business network analysis, Fundamentals of management, Advanced marketing management, Ethics and protection of Intellectual Property, International Economics & Globalization, Diploma seminar
- Poznań University of Economics and Business (Doctoral School): Management Advanced
- Ritsumeikan Asia Pacific University College of International Management (Oita, Japan): International marketing and management, Marketing Research

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

Participation in education at foreign universities:
- Part-time lecturer at Ritsumeikan Asia Pacific University College of International Management (Oita, Japan), October 2024 - March 2025 and October 2022 - March 2023
- Visiting professor at the University of Rennes1, School of Business Administration (Institut de Gestion de Rennes, France), November 2013 and October 2012

Membership in editorial committees of international journals and guest editing special issues for international journals:
- Member of the Editorial Advisory Board of the Journal of Enterprising Communities: People and Places in the Global Economy (Emerald Publishing), August 24 - present
- Guest editor of the Journal of Business & Industrial Marketing (Emerald Publishing) special issue "Local and international perspectives on value in changing business networks" (together with Aleksandra Hauke-Lopes, Satu Nätti), July 2023 - present
- Member of the Editorial Advisory Board of the Journal of Small Business and Enterprise Development (Emerald Publishing), November 2022-present
- Guest editor of the "Journal of Business Research" (Elsevier), special issue "Network Perspectives on Resource Interaction" (together with Debbie Harrison, Enrico Baraldi, Johan Kask, October 2019 - September 2023
- Guest editor of the Journal of Entrepreneurship, Management and Innovation, special issue (together with Tibor Mandjak), December 2018
- Guest editor of the "Industrial Marketing Management" magazine (Elsevier), special issue "Change and Transformation of Markets, Networks and Relationships" (together with Krzysztof Fonfara, Grzegorz Leszczyński), August 2017

- Guest editor of "The IMP Journal" (Emerald Publishing) special issue "Change in the networks setting" (together with Krzysztof Fonfara, Adam Dymitrowski, Marek Zieliński), August 2017
- Member of the Editorial Advisory Board of the "Cogent Business & Management" magazine published by Taylor & Francis, UK, May 2015-August 2024
- Member of the Editorial Board of the "Journal of Eastern European and Central Asian Research (JEECAR)" published by The Institute of Eastern Europe and Central Asia in cooperation with Webster University in St. Louis, USA, August 2013 - present

Membership in international scientific organizations:
- Member of the Management Board (IMP Board) of The Industrial Marketing and Purchasing Group (IMP), September 2016 – present
- Member: European Network for Research on Innovation in Construction (ENRIC), CENA (Coopetition, Ecosystems, Networks, and Alliances) Community

Invited talks:
- Lecture entitled "Standardization and adaptation of international marketing activities in countries with strong national identity" at the invitation of Kyiv National University of Technologies and Design, Ukraine (Kyiv National University of Technology and Design) (15/05), May 2024
- Speech for PhD students and young scientists at the invitation of the Early Career Group of IMP (IMPEC) entitled “Insights into Publishing IMP-Based Research in JBIM,” January 2024
- Speech as an academic mentor as part of the International Online Case Competition, organized by APU Ritsumeikan University, Japan (speech "Attention & Digital Marketing" with Marcin Wieczerzycki), November 2023
- Speech as an academic mentor as part of the High School International Online Case Competition, organized by APU Ritsumeikan University, Japan (speech "Marketing & Marketing Research"), June 2023
- Participation in the discussion panel "A bumpy road to research success. Pitfalls and traps" (together with Wojciech Czakon, Przemysław Hensel, Krzysztof Zięba) at the invitation as part of the ENTIME - Entrepreneurship in Modern Economy conference organized by the Faculty of Management and Economics of the Gdańsk University of Technology, April 2022
- Speech as a keynote speaker during the conference "International Conference on Living in Digital World, ICLDW-21" organized by KIIT School of Management, Bhubaneswar, India (speech "Consumers in the digital world: real vs virtual value co-creation" with Marcin Wieczerzycki), June 2021
- Speech as a keynote speaker during the conference "Re-Inventing The Future Of Work And Business: Challenges, Opportunities And The Path Ahead" organized by KIIT School of Management, Bhubaneswar, India (speech "Social and entrepreneurial effects of the Covid-19 pandemic - looking for the community spirit"), February 2021

Reviewing doctoral dissertations for foreign universities:
- PhD reviewer Nirvashnie Bagirathi, Gordon Institute of Business Science, University of Pretoria, South Africa, February 2024
- Ph.D. Reviewer Bimal Krushna Jena, M.A., KIIT University, Bhubaneswar, India
- Reviewer of Ph.D. thesis Ravi Shankar Jha, M.A., KIIT University, Bhubaneswar, India, December 2022
- Ph.D. Reviewer Ankita Agarwal, M.A., KIIT University, Bhubaneswar, India, August 2021
- Reviewer of Julia Vevenko Bondela's PhD thesis for the Norwegian University of Science and Technology, Faculty of Economics and Management, Norway, December 2020
- Ph.D. Reviewer Swaroop Mohanty, M.A., KIIT University, Bhubaneswar, India, November 2020

Research stays at foreign universities (7-14 days):
- Scholarship from the Visegrad Scholarship Program for a two-week research stay at the University of Economics in Prague, November 2024
- Research and training stay at the University of Oulu, Oulu Business School, Finland as part of the European Union Erasmus+ program, November 2022
- Scientific stay at Uppsala University in Uppsala, Sweden (visiting scientist, guest researcher), May 2017
- Scientific stay at Mid Sweden University in Sundsvall, Sweden (visiting scientist, guest researcher), June 2016
- Research and training stay at Uppsala Universitet, Sweden as part of the European Union Erasmus program, November 2015
- Research internship at Uppsala Universitet, Sweden, May 2014 - August 2024
- Research and training stay at Uppsala Universitet, Sweden as part of the European Union Erasmus program, April 2013
- Research and training stay at Uppsala Universitet, Sweden as part of the European Union Erasmus program, April 2012

Organization of international conferences and scientific events
- Chairwoman of the organizing committee of "The IMP Forum Seminar", article development workshops for the "Journal of Business and Industrial Marketing" (Emerald Publishing), September 2024 - June 2025
- Co-organizer of special sessions "Resource interaction in established and novel areas" (together with Roberta Bocconcelli, Conor Drummond, Debbie Harrison, Frida Lind) and "Network outsidership and internationalization: new trends and emerging issues" (together with Andrea Runfola, Martin Johanson, Mikael Hilmersson and Wensong Bai) during The 38th Annual IMP Conference "Interaction and networking for adaptation in a complex and challenging environment", University of Florence, Italy, September 2022
- Chairwoman of the organizing committee of the scientific seminar of the international group of scientists gathered around the ManGeo Research Group network, February 2022
- Chairwoman of the organizing committee of the 10th ENRIC Workshop, November 2017

- Chairwoman of the organizing committee of "The IMP Journal Seminar Poznań", October 2017
- Conference Scientific and Executive Coordinator, Member of the organizing committee of the international conference, 32nd International IMP Conference Change and Transformation of Markets, Networks and Relationships, organized by Industrial Marketing and Purchasing Group and UEP, Poznań 2016, September 2014 - September 2016
- Co-organizer of the special session "Understanding internationalization of the company in an internationalizing network context" (with Lars-Gunnar Mattsson and Asta Salmi) and member of the team responsible for Doctoral Colloqium for an international group of PhD students (conducting discussions for PhD students with Ivan Snehota, Louise Young, Alexandra Waluszewski) during the international conference 31th Annual IMP Conference and Doctoral Colloquium "Organizing Sustainable BtoB Relationships - Designing in Changing Networks", 25 - 29/08/2015, University of Southern Denmark Kolding, Denmark. November 2014 – August 2015

Other international cooperation
- Scientific supervision of a visiting PhD student at the Poznań University of Economics, Luigi Mersico, from the University of Urbino, Italy, September - December 2022
- Investigator in the international project "Speed and acceleration in the internationalization process of the company", Head: prof. Martin Johanson (Uppsala University) Representatives of Sweden, China and Italy take part in the project, February 2016 – present

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Awards and distinctions
- Scholarship from the Visegrad Scholarship Program for a two-week research stay at the University of Economics and Business in Prague. International Visegrad Fund, November 2024
- Outstanding Reviewer Award of the Journal of Enterprising Communities: People and Places in the Global Economy, Emerald Literati Awards & Emerald Publishing, September 2024
- Honoring the article "The SME perspective on motives and success factors in cross-border mergers - the importance of network position" published by The IMP Journal with "The Emerald Literati Award for Excellence - 2016 for IMP Journal Highly Commended Paper" (Emerald Literati Network & Emerald Group Publishing)., August 2016
- Scholarship of the Minister of Science and Higher Education for outstanding young scientists, October 2014 - September 2017

Membership in scientific organizations:
- The Industrial Marketing and Purchasing Group (IMP) – member of the IMP Board (since September 2016)
- European Network for Research on Innovation in Construction (ENRIC)
- PRICE (Coopetition, Ecosystems, Networks, and Alliances) Community
- Polish Scientific Society of Marketing (PNTM)

The remaining:
- Head of the Inter-university Team for SWOT Analysis for Poznań universities included in the federation, November 2021 - April 2023
- Rector's representative for the PUEB strategy for 2021-2024, April 2021 - June 2023
- Member of the Scientific Promotion Council of the Poznań University of Economics and Business, representative of management and quality sciences (member of the Team for organizational and internal procedures within RAN), November 2019 - present

Lecturer's profile at the Doctoral School of the PUEB in the disciplines economics and finance (50%) and management and quality studies (50%)

1. Name and surname: Beata Stępień

2. Scientific degrees and titles (discipline, year):

Professorship in Social Sciences (2020) Habilitation in Economics (2010) Doctorate in Management (2000)

3. Main research interests:

International Business, Social Science Research Methodology and Writing

4. 10 main publications, after 2014 (bibliographic description):

1. Stępień, B., Early, B. R., Grauvogel, J., Preble, K. A., & Truskolaski, S. (2024). The Impact of External Pressure on Companies' Responses to Sanctions–an International Comparative Study. European Journal on Criminal Policy and Research, 1-26.
2. Stępień, B. (2023). Systematyczny przegląd literatury w naukach ekonomicznych. Metodyka, przykłady. Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu.
3. Światowiec-Szczepańska, J., & Stępień, B. (2022). Drivers of digitalization in the energy sector—the managerial perspective from the catching up economy. Energies, 15(4), 1437.
4. Weber, P. M., & Stępień, B. (2020). Conform or challenge? Adjustment strategies of sanction-torn companies. The World Economy, 43(11), 3006-3024.
5. Młody, M., & Stępień, B. (2020). Principles of reshoring development in luxury goods sector. International Journal of Management and Economics, 56(2), 140-158.
6. Pospieszna, P., Skrzypczyńska, J., & Stępień, B. (2020). Hitting two birds with one stone: How Russian countersanctions intertwined political and economic goals. PS: Political Science & Politics, 53(2), 243-247.
7. Stępień, B. (2019). Wartość luksusu. Perspektywa konsumentów i przedsiębiorstw. Warszawa: PWE.
8. Stępień, B., & Weber, P. (2019). Passive, aggressive or creative? Adjustment strategies of companies affected by sanctions. In International business in a VUCA world: The changing role of states and firms (pp. 131-156). Emerald Publishing Limited.
9. Stępień B, (2016). Zasady pisania tekstów naukowych, Wydawnictwo Naukowe PWN, Warszawa.
10. Stępień, B. (2016). Oblicza pluralizmu metodologicznego w naukach o zarządzaniu–z perspektywy instytucjonalnej. Studia Oeconomica Posnaniensia, 4(1), 48-62.

11. Research grants from external sources, scholarships after 2010:

1. Principal of an international research project entitled „Impact of sanctions on the enterprises of the countries imposing them - the case of the armed conflict between Russia and Ukraine" (RUSAN); intervention grant; research team of political scientists and economists from Poland, Germany and the USA,
   - Grant period (06.2022 - 12.2023)
   - Amount of funding: PLN 300,000;

- Funding body; NAWA (National Agency for Academic Exchange)

2 Principal investigator in Beethoven's interdisciplinary international research project, entitled 'The Beethoven Project. Does Supranational Coercion Work? Onset, Impact and Effectiveness of EU Sanctions, in which I am the main contractor in the area of economic analysis.

- Project period: 30.03.2016 - 30.03.2019
- Amount of funding: PLN 342,776.00
- Funding institutions: National Science Centre (Polish side and external contractors) and DFG (Deutsche Forschungsgemeinschaft - German side and external contractors).

3 Head of international research project entitled Global value chains in the luxury goods sector - from the perspective of consumers and chain co-creators

- Project period: 22.07.2014 - 21.09.2019
- Amount of funding: 206,400 PLN
- Funding institution: National Science Centre

4. Originator and executor of one of the modules of the didactic project entitled. 'Integrated Development Programme of the Poznań University of Economics', number POWR.03.05.00-IP.08-00-PZ1/17, co-financed by the European Union under the Operational Programme Knowledge Education Development 2014 - 2020.

- Project implementation period: from 01.03.2018 to 28.02.2022
- Funding institutions: project co-financed by the European Union under the Operational Programme Knowledge Education Development 2014 - 2020 and the National Centre for Research and Development
- Amount of project funding: PLN 11,800,000
- Responsible for the development, launch and management of the interdisciplinary doctoral programme entitled 'Innovative Open Economy' - the protoplast of the Doctoral School at PUEB

12. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

1) Full name of doctoral student: Magdalena Sobczak - Cardoso, MA.

- Dissertation title: Determinants of adaptation of organizational structures of international enterprises to host markets on the example of the metal industry
- Date of award of degree in economic sciences: 09.2022

2) Full name of doctoral student: Małgorzata Justyńska M.Sc.

- Dissertation title: Value of legal services from the perspective of mandates and mandataries
- Date of award of degree in economic sciences: 10.2019

3) Name of doctoral student: Barbara Wilczyńska, MA

- Dissertation title: Influence of cooperative potential on enterprise development
- Associate supervisor: Dr Marlena Dzikowska
- Date of awarding the degree of Doctor of Economics: 03.2019

4) Full name of doctoral student: Ewelina Pomian, M.Sc.

- Dissertation title: Factors differentiating the position and relationships of enterprises in the aviation industry in Poland
- Date of awarding the degree of Doctor of Economics: 02.2019

5) Full name of doctoral student: Michał Staszków, M.Sc.

- Dissertation title: Assessment of the effectiveness of technology parks in Poland and worldwide
- Date of awarding the degree of Doctor of Economics: 09.2015

2023, 2024 - scientific supervision of three doctoral students

13. Courses (e.g. in Doctoral School)

Research design (English classes, Doctoral School)
Publication workshop (English classes, Doctoral School)
Organisational behaviour (classes in English, MBA)
Foreign trade - courses for beginners and advanced learners (classes in English, BBA and MBA)
International Business Transactions (Polish classes, 1st degree)
Organisational Behaviour in International Corporations (Polish classes, 2nd stage)

14. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

Visiting professor in:
- Nottingham University China, Ningbo (2020, 2021) – 3 months
- Nottingham Business School, Great Britain (2023)
- University of Vienna (UV), Austria – (2021, 2019, 2018)
- Porto ISCAP Polytechnic (2019, 2018, 2015, 2014, 2013)
- NHL University of Applied Sciences, Leeuwarden, Holand, (2013)
- Turgut Ozal University, Ankara, Turkey (2012)
- Dresden University of Technology, Dresden, Niemcy (2011)

15. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Member of:
EIBA – European International Business Association
AIB – Academy of International Business
ISA – International Studies Association

Lecturer's profile at the Doctoral School of the PUEB in the discipline management and quality studies

1. Name and surname: KRZYSZTOF WĘCEL

2. Scientific degrees and titles (discipline, year):

- Doctor of Economic Sciences, Poznań University of Economics, Faculty of Economics, 2002
- Habilitation: Wirtschaftsinformatik, University of Potsdam, Faculty of Economics and Social Sciences, 2020

3. Main research interests:

Quality and credibility of information, open data, artificial intelligence, machine learning, semantic technologies, knowledge representation

4. 10 main publications, after 2014 (bibliographic description):

1. Węcel, K. (2022). Big, Open, and Linked Data. Effects and Value for the Economy (pp. XVII, 256). Springer Nature Switzerland AG. https://doi.org/10.1007/978-3-031-07147-8
2. Węcel, K., Sawiński, M., Stróżyna, M., Lewoniewski, W., Księżniak, E., Stolarski, P., and Abramowicz, W. (2023). Artificial intelligence - friend or foe in fake news campaigns. Economics and Business Review, 9(2), 41–70. https://doi.org/10.18559/ebr.2023.2.736
3. Węcel, K., Stróżyna, M., Szmydt, M., and Abramowicz, W. (2024). The Impact of Crises on Maritime Traffic: A Case Study of the COVID-19 Pandemic and the War in Ukraine. Networks and Spatial Economics, 24(1), 199–230. https://doi.org/10.1007/s11067-023-09612-0
4. Filipiak, D., Węcel, K., Stróżyna, M., Michalak, M., and Abramowicz, W. (2020). Extracting Maritime Traffic Networks from AIS Data Using Evolutionary Algorithm. Business & Information Systems Engineering. https://doi.org/10.1007/s12599-020-00661-0
5. van der Waal, S., Węcel, K., Ermilov, I., Janev, V., Milošević, U., and Wainwright, M. (2014). Lifting Open Data Portals to the Data Web. In S. Auer, V. Bryl, and S. Tramp (Eds.), Linked Open Data – Creating Knowledge Out of Interlinked Data (Vol. 8661, pp. 175–195). Springer International Publishing. https://doi.org/10.1007/978-3-319-09846-3_9
6. Lewoniewski, W., Węcel, K., and Abramowicz, W. (2017). Analysis of References Across Wikipedia Languages. In R. Damaševičius and V. Mikašytė (Eds.), Information and Software Technologies: Proc. of 23rd International Conference, ICIST 2017, Druskininkai, Lithuania, October 12–14, 2017 (Vol. 756, pp. 561–573). Springer International Publishing. https://doi.org/10.1007/978-3-319-67642-5_47
7. Lewoniewski, W., Węcel, K., and Abramowicz, W. (2017). Relative Quality and Popularity Evaluation of Multilingual Wikipedia Articles. Informatics, 4(4). https://doi.org/10.3390/informatics4040043
8. Lewoniewski, W., Węcel, K., and Abramowicz, W. (2016). Quality and Importance of Wikipedia Articles in Different Languages. In G. Dregvaite and R. Damaševičius (Eds.), Information and Software Technologies: Proc. of 22nd International Conference, ICIST 2016 (Vol. 639, pp. 613–624). Springer International Publishing Switzerland. https://doi.org/10.1007/978-3-319-46254-7_50
9. Sawiński, M., Węcel, K., Księżniak, E., Stróżyna, M., Lewoniewski, W., Stolarski, P., and Abramowicz, W. (2023). OpenFact at CheckThat! 2023: Head-to-Head GPT vs. BERT - A Comparative Study of Transformers Language Models for the Detection of Check-worthy Claims. In M. Aliannejadi, G. Faggioli, N. Ferro, and M. Vlachos (Eds.), Working Notes of the Conference

and Labs of the Evaluation Forum (CLEF 2023) (Vol. 3497, pp. 453–472). Sun SITE, Informatik V, RWTH Aachen. https://ceur-ws.org/Vol-3497/
10. Sawiński, M., Węcel, K., and Księżniak, E. (2024). Under-Sampling Strategies for Better Transformer-Based Classifications Models. In L. Goeuriot, P. Mulhem, G. Quénot, D. Schwab, G. M. Di Nunzio, L. Soulier, P. Galuščáková, A. García Seco de Herrera, G. Faggioli, and N. Ferro (Eds.), Experimental IR Meets Multilinguality, Multimodality, and Interaction (pp. 139–151). Springer Nature Switzerland.

5. Research grants from external sources, scholarships after 2010:

- Microsoft Azure for Research Award: Data Science Grant, for project: ``Data Science for improving the quality of crowdsourced information. The case of Wikipedia'', 2017

6. Supervising of doctoral students (name of a PhD student, a title of a PhD dissertation, year of a defence):

- Małgorzata Miklas-Kalczyńska, “Computational Optimization for Solving Complex Location Problems”, in-progress
- Adiel Aviad, “Utilizing semantic technology to model cybersecurity knowledge”, defended 13.09.2019 (co-supervisor)
- Włodzimierz Lewoniewski, “Metoda porównywania i wzbogacania informacji w wielojęzycznych serwisach wiki na podstawie analizy ich jakości”, defended with distinction on 01.03.2019 (co-supervisor)
- Milena Stróżyna, “Modeling of Risk and Reliability of Maritime Transport Services”, defended with distinction on 14.06.2018
- Piotr Stolarski, „Metoda ekstrakcji modeli wyceny składki ze źródeł internetowych”, defended with distinction on 3.11.2015 (co-supervisor)

7. Courses (e.g. in Doctoral School)

- Algorithms and data structures / Algorytmy i struktury danych
- Analytical systems in business / Systemy analityczne w biznesie
- Big data
- Business Intelligence
- Computer networks / Sieci komputerowe
- Data science
- Data visualisation in business / Wizualizacja danych w biznesie
- Data warehousing / Hurtownie danych
- Formal languages and automata theory / Języki formalne i teoria automatów
- Ontologies in IT / Ontologie w informatyce
- User experience

8. International activities, e.g. implementation of international research projects, participation in committees of international scientific conferences, participation in

international scientific conferences, including the so-called invited talks, scholarships and internships carried out abroad after 2010.

International research projects

- Insemtives -- Incentives for Semantics. 7th Framework Programme, Cooperation, Information and Communication Technologies, FP7-231181, 2009.04.01 - 2012.03.31
- LOD2 -- Creating Knowledge out of Interlinked Data. 7th Framework Programme, Cooperation, Information and Communication Technologies, FP7-257943, 2010.09.01 - 2014.08.31
- SIMMO -- System for Intelligent Maritime MOnitoring. European Defence Agency, Contract A-1341-RT-GP, 2014.09.01 - 2015.12.31
- HANSA -- Retrospective Analysis of Historical AIS Data for Navigational Safety Through Recommended Routes. MarTERA ERA--NET COFUND, 2018.07.01 - 2020.06.30
- SIMMO II -- System for Intelligent Maritime MOnitoring. European Defence Agency, Contract no B 1511 ESM1 GP, 2020.01.23 - 2022.01.22
- DKG – Distributed Knowledge Graphs, COST project, CA19134, 2020.09.23-2024.09.22

Program committees of scientific international conferences:

- Computational Linguistics Applications - CLA (2010, 2011)
- Conference on Computer Science and Intelligence Systems - FedCSIS (2010, 2012, 2023)
- European Conference on Information Systems - ECIS (2010)
- European Semantic Web Conference - ESWC (2017, 2019)
- Hawaii International Conference on System Sciences - HICSS (2019, 2023)
- International Conference on Business Information Systems - BIS (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021)
- International Conference on Business Intelligence and Technology - BUSTECH (2011, 2012, 2013, 2014, 2015, 2016, 2022, 2023, 2024)
- International Conference on Business Process and Services Computing - BPSC (2010, 2011, 2012)
- International Conference on Evaluation of Novel Approaches to Software Engineering - ENASE (2010, 2012, 2013, 2014, 2015, 2016, 2017)
- International Conference on Semantic Systems - SEMANTiCS (2014, 2015, 2016, 2017, 2018)
- International Conference on Semantic Web (2020)
- International Interdisciplinary Conference on Electronic Commerce (2003)
- Joint International Semantic Technology - JIST (2014, 2015, 2016, 2017)
- Language, Data and Knowledge - LDK (2017)
- Qurator Conference (2021)

Participation in international conferences / presentations:

- "Identifying Reliable Sources of Information about Companies in Multilingual Wikipedia", 17th Conference on Computer Science and Intelligence Systems (FedCSIS), Track 4: Advances in Information Systems and Technologies (AIST'22), Sofia, Bulgaria, 2022.09.06
- "Stream Processing Tools for Analyzing Objects in Motion Sending High-Volume Location Data", International Conference on Business Information Systems - BIS2021, Hannover/online, 2021.06.17
- "Stream processing for big maritime data", Milena Stróżyna, Marcin Szmydt, Krzysztof Węcel. 9th International Scientific and Technical Conference `Maritime technologies for security defense' - NATCON conference, Gdańsk/online, 2021.04.21
- "Big Data Meets Intelligent Maritime Monitoring", CAPTECH Maritime, European Defense Agendy (EDA), online, 2021.03.24
- "SIMMO II: System for Intelligent Maritime Monitoring", invited talk at INFER-PUEB Workshop on New Economics: Innovation, Digitalization and Revolution. International Network for Economic Research, online, 2021.03.11
- "Towards a Systematic Approach to Sync Factual Data across Wikipedia, Wikidata and External Data Sources", Sebastian Hellmann, Johannes Frey, Marvin Hofer, Milan

Dojchinovski, Krzysztof Węcel, Włodzimierz Lewoniewski, presenter Krzysztof Węcel. QURATOR 2021 conference, online, 2021.02.11

- "Polish DBpedia chapter", Knowledge Graphs in Action: DBpedia, Linked Geodata and Geo-information Integration - SEMANTiCS Satellite event, online, 2020.10.06
- "Application of AI and In-memory Computing for Extracting Vessel Movement Patterns from Historical Data", 14th NATO OR\&A Conference, online, 2020.10.05
- "Data Quality Assessment – a use case from the maritime domain", 11th Workshop on Business and IT Alignment (BITA 2020), online 2020.06.04
- "References extraction from Wikipedia infoboxes", 14th DBpedia Community Meeting, Karlsruhe, 2019.09.12
- "Recommended routing corridors from AIS date - HANSA Project", Bergen, 2019.08.27
- "Citations and references in DBpedia", 13th DBpedia Community Meeting, Leipzig, 2019.05.23
- "Quality of data in DBpedia", Polish DBpedia Community Meeting, Poznań, 2018.05.18
- "Machine learning and data fusion methods used for cybersecurity -- examples for social networks environment", CYBERSECURITY, Euro-CASE 2017 Conference, Poznań
- "Representation of information about public procurement notices in linked data: new opportunities for processing and reasoning from data", DBpedia Meetup, Poznań, 22.11.2016
- "(Not only) Polish Citations in Wikipedia: analysis, comparison, directions", Citations \& Reference Challenge, DBpedia Community Meeting at SEMANTiCS 2016, Leipzig -- 1st Prize

9. Other important information, e.g. membership in scientific bodies, membership in editorial committees of scientific journals, distinctions and awards for scientific activity outside the home unit, etc.

Memberships

- Scientific Society for Business Informatics - NTIE, since 2005
  - management roles: chair of the Fellow Member Arbitration Board (2011-2015)
  - member of Scientific Council (2023-2027)
- Association for Computing Machinery (ACM), USA, member no: 1559590, since December 2004
- Institute of Electrical and Electronics Engineers (IEEE), USA, member no: 90426860, 2008-2009

Awards:

- Award for the best innovative paper, ``Big Data Anomaly Detection in Maritime Surveilance: Spatial AIS Data Analysis for Tankers'', 8th International Conference NATCON, Gdańsk, June 2018
- Best paper award, ``Analysis of References Across Wikipedia Languages'', The 23rd International Conference on Information and Software Technologies, Kaunas, October 14, 2017
- 1st prize in Wikipedia Citations and Reference Challenge organised during DBpedia Community Meeting in Leipzig, Germany, co-located with conference SEMANTiCS, 15.09.2016
- Best reviewer award, 19th International Conference on Business Information Systems (BIS 2016), 6-8 July 2016, Leipzig, Germany

Resolution 85 (2018/2019)

of the Senate of the Poznań University of Economics and Business

of 26 April 2019

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1. Acting pursuant to Article 200(3) of the Law on Higher Education and Science of 20 July 2018, Article 291 of the Law Introducing the Law on Higher Education and Science of 3 July 2018, and § 113c(2–4) of the Statute of the Poznań University of Economics and Business, by open vote in the presence of 26 members of the total of 33 statutory members, having cast 25 votes in favour with 1 abstention, the Senate has adopted terms of admission to the Doctoral School at the Poznań University of Economics and Business, as appended to this Resolution.
2. The following admissions procedure schedule for the academic year 2019/2020 has been adopted for the Doctoral School at the Poznań University of Economics and Business:
   a) by 9 August 2019, candidates are required to submit a complete set of admission documents and register in the electronic system,
   b) between 26 August and 30 August 2019, interviews with candidates will be held,
   c) by 6 September 2019, admission results will be announced.
3. This Resolution enters into force on the date of its adoption.

The tallying committee was composed of dr inż. Marta Biegańska and Stanisław Garstecki.

Senate deliberations were chaired by

R E C T O R

prof. dr hab. Maciej Żukowski

Appendix to Resolution 85
of PUEB Senate dated 26 April 2019

Terms of admission to the Doctoral School
of Poznań University of Economics and Business

§ 1

1. Candidates to the Doctoral School of the Poznań University of Economics and Business (hereinafter referred to as the "Doctoral School") shall be admitted in a competitive procedure performed by a Rector-appointed admission board* (Competition Panel). The board shall present procedure outcomes to the Rector. The University shall enable persons with disabilities to fully participate in Doctoral School admissions.

2. The decision to grant or deny Doctoral School admission to a candidate shall be made by the Rector.

3. Candidates may appeal from the Rector's decision to deny Doctoral School admission by requesting a review within 14 days of their notification of the decision.

4. The admission board shall draw up a report on the admission of each candidate.

5. The competition outcomes shall be publically disclosed. The Rector shall announce the candidates admitted to the Doctoral School by means of a posting in the Doctoral School section of the PUEB website. Candidates shall be notified of admission outcomes in writing and be requested to acknowledge receipt.

§ 2

1. Candidates applying for Doctoral School admission shall be required to furnish:
    1) An admission application addressed to Doctoral School Director,
    2) A certified copy of a diploma confirming the candidate holds a Master's degree or equivalent,
    3) A completed personal details form with consent to personal data processing,
    4) An outline of the proposed research topic containing a preliminary dissertation concept, indications of the research area, research objectives, research subject, dissertation methodology and outline, and sources/literature,
    5) A list of the candidate's research and teaching achievements to date, along with third-party (independent researchers, supervisors, thesis advisors, etc.) reviews of the candidate's activities;
    6) A cover letter (up to 450 words) complete with an indication of 2–3 potential dissertation supervisors,
    7) A review on the candidate's scientific aptitude and abilities from Master's thesis advisor or another research faculty member employed at a university or research institution,
    8) A copy of a certificate attesting to English proficiency at B2 level or higher,
    9) A diploma supplement or academic record booklet – for inspection during admission,
    10) A document confirming a name change (for persons whose diploma or academic record booklet has been issued in a name other than current),

11) A 20 x 25 mm 300 dpi resolution colour digital photograph compliant with national ID photo requirements in either the *.jpg (uncompressed) or the *.tiff format,
12) International candidates shall also be required to supply a certificate of Polish language proficiency from the State Commission for the Certification of Proficiency in Polish as a Foreign Language or proof of completion of a one-year Polish language course for foreign nationals,
13) For candidates preparing a dissertation in the field of quality sciences: once admission to the Doctoral School has been secured, a health clearance certificate from an occupational physician confirming fitness to attend the Doctoral School, considering potential exposure to hazardous factors, shall be required. A list of chairs involved in the implementation of the Doctoral School's curriculum, where doctoral candidates are exposed to such factors, shall be posted on the University's website. To this end, the Doctoral School candidates who may be exposed to harmful, onerous, or hazardous agents during their Doctoral School education, having had the admission commission notify them of their admission into the first year of studies, within the time limit specified by admission commission chair, shall report to the Doctoral School office to collect a medical examination referral. The referral shall be provided with information about the place and time limit for submitting a health clearance certificate from an occupational physician.
14) A photocopy of an identity card.

2. The candidates seeking Doctoral School admission shall additionally submit their applications in the electronic system.
3. The admission process shall involve a review of submitted documents and a candidate interview.
4. The following candidate evaluation criteria and scoring rules shall apply:
   1) Preliminary doctoral dissertation concept: 0 to 25 points;
   2) Research publications, presentations delivered in conference: up to 20 points, as detailed:
      a) Publication in a journal featured on Lists A, B, and C of the Ministry of Science and Higher Education – to be scored by rules applicable to relevant list;
      b) Publication in a Polish-language journal not featured on list of the Ministry of Science and Higher Education: 1 point;
      c) Publication in an English-language journal not featured on lists of the Ministry of Science and Higher Education: 2 points;
      d) Participation in a domestic conference delivering a paper or displaying a poster: 1 point;
      e) Participation in an international conference involving a presentation of a paper or the display of a poster: 2 points;
      f) Documented engagement in the organisation of a scientific conference: 1 point; to be considered international, a conference:
         - Needs to take place outside of Poland, or
         - May also take place in Poland, as long as at least one-third of its active participants (i.e. participants presenting a paper or displaying a poster) represent foreign scientific or research institutions. The conference agenda shall be used to determine the international nature of the event.
   3) Other scientific or research work (e.g., verified involvement in the work of a scientific society or activities promoting science): 0 and 10 points.
   4) Two positive references regarding scientific aptitude and potential, issued by the supervisor of graduation thesis or another academic staff member: 0 and 10 points.

5) Certified foreign language skills, scored as detailed below:

a) No points shall be awarded for a certificate attesting to English proficiency at B2 level as such certificates are mandatory for Doctoral School admission,

b) For each certificate attesting to B2 level proficiency in a modern foreign language other than English: 5 points,

c) For a certificate attesting to English language proficiency at B2 level or higher: 10 points.

The maximum score awarded for the certificates referred to in subsections b) and c) shall be 10 points. Eligible certificates attesting to modern foreign language proficiency include those provided on the "List of Certificates of a Modern Foreign Language Proficiency" attached in Annex 1 to the Regulation of the Minister of Science and Higher Education of January 19, 2018 on the detailed procedure and requirements for conducting first and second degree doctoral and professorial title proceedings (Journal of Laws 2018, item 261).

6) Candidate interview: 0 to 25 points, including:
   - 0 to 10 points for demonstrating a motivation to engage in research,
   - 0 to 15 points for supplying a preliminary concept of the doctoral dissertation.

5. The maximum score a candidate may earn in the admission process is 100 points.
6. Candidates shall be notified of the date and time of their interview appointment by both email and registered mail sent to the address provided on the Doctoral School application form. Where justified, the interview may be held using remote communication means.
7. During the interview, which shall be conducted in both Polish and English, the candidate is expected to present and justify their reasons for applying for Doctoral School admission, including, in particular, the research fields they wish to pursue, their scientific and/or professional track accomplishments (including any completed courses and postgraduate studies), their specific research interests, and their contacts with independent academic staff members they have established.
8. A candidate shall be denied Doctoral School admission if:
   1) The preliminary written concept of the doctoral dissertation is not assessed at 10 or more points, or
   2) The candidate fails to provide the review of their scientific aptitude and capabilities referred to in § 2.1.7, or
   3) The candidate fails to present a certificate attesting to English proficiency at B2 level or higher, or
   4) The candidate fails to earn a total of at least 60 points during the admission procedure.

Resolution No. 69 (2019/2020)

of the Senate of Poznań University of Economics and Business

of 24.01.2020

on the terms of admission to the Doctoral School at Poznań University of Economics and Business, as well as the schedule of admissions for the 2020/21 academic year

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1. Pursuant to Art. 200 (2 and 3) of the Law on Science and Higher Education of 20 July 2018, as well as to § 83 (3) of the Statute of Poznań University of Economics and Business, the Senate, in the presence of 28 the members out of 33 of the statutory membership, by open vote, with 28 „yes", defined the terms of admission to the Doctoral School at Poznań University of Economics and Business, which are included as an appendix to this Resolution.
2. The terms of admission, indicated in point 1, are in force for the 2020/2021 academic year.
3. The following schedule of the admissions to the Doctoral School at Poznań University of Economics and Business has been established for the 2020/2021 year:
   a) from 1 July to 15 August 2020 – candidates submit the application documents and register themselves in the electronic system;
   b) from 7 September 2020 – interviews with the candidates;
   c) from 14 September 2020 – the admission results are announced.
4. If the number of candidates admitted to the Doctoral School as a result of the admission procedure is lower than the established limit, the Rector may decide to announce a round of supplementary admissions, in compliance with the terms of admission, enclosed with this Resolution. The schedule of the supplementary admissions is established by the Rector.

The Resolution becomes effective as of the date of its adoption.

The Electoral Commission consisted of dr Yanina Dymitrowska and Szymon Sekulak.

The Senate session was chaired by

THE RECTOR

prof. dr hab. Maciej Żukowski

Appendix to the Resolution of
the PUEB Senate No. 69 of 24.01.2020

Terms of admission to the Doctoral School at Poznań University of Economics and Business

§ 1

1. The admissions to the Doctoral School at Poznań University of Economics and Business (from now on referred to as „Doctoral School") are conducted by way of competition. The competition procedure is carried out by the Competition Panel, from now on referred to as „Panel".
2. The University provides conditions allowing disabled persons to apply for admission to the Doctoral School. Should a candidate need any help, they should turn to the Office for the Disabled.
3. The Panel draws up a protocol of the admission procedure of each candidate. The Panel also draws up a consolidated protocol of the admissions procedure, including the offer of admission to the Doctoral School. This protocol, signed by the Panel members, is forwarded to the Rector.
4. An admission or a refusal to admit is decided upon by the Rector.
5. In the case of a refusal to admit, a candidate has the right to apply to the Rector for reconsideration, or to file a complaint to the Administrative Court. The application to the Rector for reconsideration must be filed within a period of 14 days from the decision date. The complaint to the Province Administrative Court must be filed through the PUEB Rector, within 30 days from the decision date.
6. The competition results are public. The list of persons admitted as doctoral students is published by the Rector on the PUEB website in the Doctoral School tab. The candidates are informed about the admission results in writing by registered mail.

§ 2

1. A person who wishes to apply for admission to the Doctoral School must file an application for admission (from now on referred to as „application") in the electronic system. The application must be filed within the period specified by the University in the admissions schedule. Filing the application in the IT system consists of:
   1) drawing up an application for admission addressed to the Director of the Doctoral School, using an electronic form;
   2) filling out a personal questionnaire, with a consent for processing personal data, using an electronic form.

   The above mentioned documents should be sent to the University via the electronic system. However, sending them via the electronic system does not relieve the candidate

from the obligation of sending the documents to the University in the way indicated in point 2 below.

2. After an application is filed in the electronic system, the candidate sends the printed and signed application and the personal questionnaire to the University's address by registered mail, along with the following documents:
   1) a copy of the diploma certifying that the candidate has obtained the M.A. or an equivalent title, with the reservation mentioned in point 3;
   2) the concept of the doctoral dissertation in Polish or in English, following the model included. The concept must be accepted by the potential dissertation supervisor from PUEB;
   3) the list of the candidate's research and teaching achievements;
   4) the cover letter (up to 450 words), indicating the potential doctoral dissertation supervisor;
   5) at least two opinions about the candidate's predispositions and abilities written by the M.A. thesis supervisor, or by another researcher employed by a university or a scientific research institution;
   6) documents certifying the knowledge of English, i.e.:
      a) a copy of a certificate of the candidate's command of English at a level not lower than B2, or
      b) a university diploma certifying the knowledge of English at a level not lower than B2, or
      c) a document certifying the knowledge of English at a level not lower than B2 issued by PUEB (after a test);
   7) certificates of the knowledge of another modern foreign language at a level not lower than B2 (optionally, if a candidate possesses such certificates);
   8) a certificate of the candidate's change of surname (for candidates with a diploma with a different surname than their current one);
   9) a coloured photograph in the digital form, sized 20 x 25 mm, in compliance with the requirements for passport photographs – resolution 300.pdi, in jgp or tif format;
   10) moreover, the candidates who have decided to write a doctoral dissertation in the field of quality management and have already been admitted to the Doctoral School are obliged to submit an occupational doctor's certificate of no contraindications to study at the Doctoral School, if it involves exposure to harmful, burdensome, or hazardous factors during the studies. The list of departments participating in the Doctoral School's programme in which a candidate might be exposed to such factors is published on the University's website. In order to obtain such a certificate, the

candidates for the Doctoral School who have been informed about their admission and who may be exposed to harmful, burdensome, or hazardous factors during their studies should collect a referral to the medical tests from the Doctoral School Office within a period of time specified by the Rector. The referral includes information about the place and the term of submitting the certificate issued by an occupational doctor. A failure to submit the certificate results in removing the doctoral student from the list of students.

3. Candidates who completed their studies abroad are obliged to submit:
   1) a legalised, or with apostille, diploma or another document certifying the completion of studies abroad:
      a) entitling them to apply for the doctoral degree in the country in whose system of higher education the University which issued the diploma operates, or
      b) deemed equivalent to a Polish diploma certifying the completion of the second-cycle studies or the long-cycle studies and obtaining the M.A. or M.Sc. title:
         - pursuant to an international agreement defining the equivalence or
         - by way of nostrification proceedings, based on the issued certificate or
      c) for diplomas issued by universities operating in the system higher education of a member state of the European Union, the Organisation for Economic Cooperation and Development (OECD), or the European Free Trade Association (EFTA), certifying the completion of:
         - the second-cycle studies or
         - at least four-year long-cycle studies in the country where the diploma was issued, if it is deemed equivalent to the diploma of the completion of the second-cycle studies in this country.

      If at the moment the diploma is submitted or enclosed to the admissions system it has not yet been legalised/apostilled, the candidate is obliged to declare to submit its legalisation/apostille within the period defined by the University, otherwise they will be deemed to have failed to submit all the required documents and their application will not be examined.
   2) If the documents certifying the completion of studies abroad are in a language other than Polish or English, the candidate is additionally obliged to submit their translation into Polish or English.
4. A candidate who failed to submit all the required documents is summoned in writing by the Chairperson of the Admission Board (acting on behalf of the Rector) to file the missing documents in the assigned time – not longer than the period stated in the admissions schedule – under pain of leaving the application unexamined.

5. The admission procedure conducted by the Admissions Board includes:

   1) checking if the candidate has filed all the required documents; if they fail to do it in spite of a summon, the Chairperson, acting on the Rector's behalf, notifies the candidate of leaving their application unexamined;

   2) evaluating the enclosed concept of the doctoral dissertation – a candidate may score from 0 to 25 points in total;

   3) evaluation of the candidate's research publications and their presentations at conferences – a candidate may obtain from 0 to 20 points, according to the following rules:

      a) a publication in a journal from the current (on the day of the publication) list of scientific journals and materials from international conferences issued by the Minister of Science and Higher Education, with the assigned score* [i] – for a publication in a journal included in the list with a score up to 20 points – 15 points; for a publication in a journal included in the list with a score over 20 points – 20 points,

      b) a publication in a journal not included in the Minister's list – 5 points,

      c) for participation in a national conference, delivering a paper or presenting a poster the candidate obtains 1 point,

      d) for participation in an international conference, delivering a paper or presenting a poster the candidate obtains 2 points,

      e) for certified participation in an international scientific conference the candidate obtains 1; whereas a conference is regarded as international if:

         – it is held outside the area of Poland or

         – it is held in Poland, but at least 1/3 of the active participants (i.e. those delivering papers or presenting posters) represent international research centres. The international character of a conference is based on its programme;

   4) evaluation of the candidate's other achievements in research and teaching (e.g. confirmed involvement in the activity of a science club or active promotion of science) – the candidate may obtain up to 10 points;

   5) evaluation of the opinion on the candidate's predispositions and abilities written by their M.A. thesis supervisor, or another scientist; the candidate may submit up to two opinions of this kind – for each of them they can obtain a maximum of 5 points (up to 10 in total);

   6) evaluation of the candidate's knowledge of foreign languages based on the submitted documents, according to the following rules:

a) if the candidate submits a document certifying the knowledge of English at the B2 level or a university graduation diploma certifying the knowledge of English at a level not lower than B2, or a document issued by PUEB following a test (organised by PUEB) – points are not granted, as the certified knowledge of English at the B2 level is a prerequisite for the admission to the Doctoral School,

b) if the candidate submits a certificate of the knowledge of modern language other than English at a level not lower than B2 – they obtain 5 points for each certificate of this kind,

c) if the candidate submits a document certifying their knowledge of English at a level higher than B2 – they score 10 points.

The total number of points obtained in the ways presented in points b and c cannot be higher than 10 points.

The date of the test in linguistic competence conducted by PUEB, mentioned in point a, is set by PUEB; it must be carried out before the deadline for submitting the required documents stated in the schedule of admissions.

7) interviewing the candidate and evaluating their performance during the interview – the candidate may score up to a total of 25 points for the following elements:

a) the presented motivation for research – up to 10 points,

b) the presentation of the concept of the doctoral dissertation – up to 15 points.

6. The candidate is informed about the date and time of the interview via email and a letter sent by registered mail to the address specified in the application for admission to the Doctoral School. Under special circumstances – at the candidate's request – the interview can be carried out over a distance, by means of telecommunications technology.

7. During the interview, conducted in Polish or in English, the candidate presents and elaborates on their motivation for applying for the admission to the Doctoral School, in particular: their interest in the specific discipline of science, scientific and/or professional achievements (including completed post-graduate studies or courses), the area of their research interest, contacts with researchers.

8. The maximum number of points to be scored during the admission procedure is 100.

9. The candidate may be refused admission to the Doctoral School for one of the following reasons:

1) the preliminary concept of the doctoral dissertation presented by the candidate does not score at least 10 points or

2) the candidate fails to submit the opinion on their predispositions and research skills defined in § 2 (1) point 5 or

3) fails to submit the concept of the proposed research, approved by the potential supervisor of their doctoral dissertation or

4) fails to submit the certificate of the competence in English at a level not lower than B2, or a diploma of a completion of studies in English, or confirm their knowledge of English by a test conducted by PUEB or

5) their total score during the admission procedure is lower than 60 points.

§ 3

A person selected via competition conducted in compliance with the rules defined in "the regulations of granting resources for the implementation of projects financed by the National Science Centre in the area of research projects" as a part of the Preludium Bis research project to be implemented at PUEB is granted 100 points, should they decide to apply for the admission to the Doctoral School.

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[i] *As of the date of the establishment of these terms, the current list is the one included in the Communication of the Ministry of Science and Higher Education of 18 December 2019 on the list of scientific journals and reviewed materials from international conferences with the assigned scores.

Resolution No. 47 (2020/2021)

of the Senate of Poznań University of Economics and Business

of 18.12.2020

on the terms of admission to the Doctoral School at Poznań University of Economics and Business being in force from admissions in the 2021/22 academic year, as well as the schedule of admissions for the 2021/22 academic year

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1. Pursuant to Art. 200 (2 and 3) of the Law on Science and Higher Education of 20 July 2018, as well as to § 83 (3) of the Statute of Poznań University of Economics and Business, the Senate, in the presence of 34 the members out of 35 of the statutory membership, by open vote, with 34 "yes", defined the terms of admission to the Doctoral School at Poznań University of Economics and Business, which are included as an appendix to this Resolution.
2. The terms of admission, indicated in point 1, are in force for the 2021/2022 academic year.
3. The following schedule of the admissions to the Doctoral School at Poznań University of Economics and Business has been established for the 2021/2022 year:
   a) from 1 July to 15 August 2021 – candidates submit the application documents and register themselves in the electronic system;
   b) from 6 September 2021 – interviews with the candidates;
   c) from 14 September 2021 – the admission results are announced.
4. If the number of candidates admitted to the Doctoral School as a result of the admission procedure is lower than the established limit, the Rector may decide to announce a round of supplementary admissions, in compliance with the terms of admission, enclosed with this Resolution. The schedule of the supplementary admissions is established by the Rector.

The Resolution becomes effective as of the date of its adoption.

The Electoral Commission consisted of Klaudia Młoda-Brylewska and dr Andrzej Szymkowiak.

The Senate session was chaired by

THE RECTOR

prof. dr hab. Maciej Żukowski

Appendix to the Resolution of
the PUEB Senate No. 47 of 18.12.2020

Terms of admission to the Doctoral School at Poznań University of Economics and Business

§ 1

1. The Doctoral School's admissions at the Poznań University of Economics and Business (from now on referred to as "Doctoral School") are conducted by way of competition. The competition procedure is carried out by the Competition Panel, from now on referred to as "Panel".
2. The University provides conditions allowing disabled persons to apply for admission to the Doctoral School. Should a candidate need any help, they should turn to the Office for the Disabled.
3. The Panel draws up a protocol of the admission procedure of each candidate. The Panel also draws up a consolidated protocol of the admissions procedure, including the offer of admission to the Doctoral School. This protocol, signed by the Panel members,

   is forwarded to the Rector.
4. An admission or a refusal to admit is decided upon by the Rector.
5. In the case of a refusal to admit, a candidate has the right to apply to the Rector for reconsideration or to file a complaint to the Administrative Court. The application

   to the Rector for reconsideration must be filed within 14 days from the decision date. The complaint to the Province Administrative Court must be filed through the PUEB Rector, within 30 days from the decision date.
6. The competition results are public. The list of persons admitted as doctoral students

   is published by the Rector on the PUEB website in the Doctoral School tab. The candidates are informed about the admission results in writing by registered mail.

§ 2

1. A person who wishes to apply for admission to the Doctoral School must fill in an application for admission (from now on referred to as "application") in the electronic system. The application must be filed within the period specified by the University in the admissions schedule. Applying by the IT system consists of:
   1) drawing up an application for admission addressed to the Director of the Doctoral School, using an electronic form;
   2) filling out a personal questionnaire, with consent for processing personal data, using an electronic form.

   The documents, as mentioned above, should be sent to the University via the electronic system. However, sending them via the electronic system does not relieve the candidate

from the obligation of sending the documents to the University in the way indicated in point 2 below.

2. After an application is filed in the electronic system, the candidate must send the printed and signed application and the personal questionnaire to the University's address by registered mail, along with the following documents:

   1) a copy of the diploma certifying that the candidate has obtained the MA or an equivalent title, with the reservation mentioned in point 3;

   2) the doctoral dissertation concept in Polish or English, following the scheme included, with a maximum number of words for each part specified in this scheme (the number of words is determined based on the MS Word report). The potential dissertation supervisor from PUEB must accept the concept;

   3) the list of the candidate's research and teaching achievements;

   4) the cover letter (up to 450 words), indicating the potential doctoral dissertation supervisor;

   5) opinions (at least 1) about the candidate's predispositions and abilities written by the MA thesis supervisor, or by another researcher employed by a university or

      a scientific research institution;

   6) documents certifying the knowledge of English, i.e.:

      a) a copy of a certificate of the candidate's command of English at a level not lower than B2, or

      b) a university diploma certifying the knowledge of English at a level not lower than B2, or

      c) a document certifying the knowledge of English at a level not lower than B2 issued by PUEB (after a test);

   7) a certificate of the candidate's change of surname (for candidates with a diploma with a different surname than their current one);

   8) a coloured photograph in the digital form, sized 20 x 25 mm, in compliance with the requirements for passport photographs – resolution 300.pdi, in a jpg or tif format;

   9) moreover, the candidates who have decided to write a doctoral dissertation in the field of quality and management and have already been admitted to the Doctoral School are obliged to submit an occupational doctor's certificate of no contraindications

      to study at the Doctoral School, if it involves exposure to harmful, burdensome,

      or hazardous factors during the studies. The list of departments participating in the Doctoral School's programme in which a candidate might be exposed to such factors is published on the University's website. In order to obtain such a certificate, the candidates for the Doctoral School who have been informed about their admission and

who may be exposed to harmful, burdensome, or hazardous factors during their studies should collect a referral to the medical tests from the Doctoral School Office within the time specified by the Rector. The referral includes information about the place and the term of submitting the certificate issued by an occupational doctor. A failure to submit the certificate results in removing the doctoral student from the list of students.

3. Candidates who completed their studies abroad are obliged to submit:

   1) a legalised, or with apostille, diploma or another document certifying the completion of studies abroad:

      a) entitling them to apply for the doctoral degree in the country in whose system

      of higher education the University which issued the diploma operates, or

      b) deemed equivalent to a Polish diploma certifying the completion of the second-cycle studies or the long-cycle studies and obtaining the MA or M.Sc. title:

         - pursuant to an international agreement defining the equivalence or
         - by way of nostrification proceedings, based on the issued certificate or

      c) for diplomas issued by universities operating in the system higher education of

      a member state of the European Union, the Organisation for Economic Cooperation and Development (OECD), or the European Free Trade Association (EFTA), certifying the completion of:

         - the second-cycle studies or
         - at least four-year long-cycle studies in the country where the diploma was issued, if it is deemed equivalent to the diploma of the completion of the second-cycle studies in this country.

      If at the moment the diploma is submitted or enclosed to the admissions system

      it has not yet been legalised/apostilled, the candidate is obliged to declare to submit its legalisation/apostille within the period defined by the University. Otherwise, they will be deemed to have failed to submit all the required documents, and their application will not be examined.

   2) If the documents certifying the completion of studies abroad are in a language other than Polish or English, the candidate is additionally obliged to submit their translation into Polish or English.

4. A candidate who failed to submit all the required documents is summoned in writing by the Chairperson of the Admission Board (acting on behalf of the Rector) to file the missing documents in the assigned time – not longer than the period stated in the admissions schedule – under pain of leaving the application unexamined.

5. The admission procedure conducted by the Panel includes:

1) checking if the candidate has filed all the required documents; if they fail to do it in spite of a summon, the Chairperson, acting on the Rector's behalf, notifies the candidate of leaving their application unexamined;

2) evaluating the enclosed concept of the doctoral dissertation – a candidate may score from 0 to 35 points in total;

3) evaluation of the candidate's research publications and their presentations

at conferences – a candidate may obtain from 0 to 20 points, according to the following rules:

   a) a publication in a journal from the current (on the day of the publication) list of scientific journals and materials from international conferences issued by the minister responsible for science and higher education, with the assigned score – for a publication in a journal included in the list with a score up to 20 points – 15 points; for a publication in a journal included in the list with a score over 20 points – 20 points,

   b) a publication in a journal not included in the current list issued by the minister responsible for science and higher education – 5 points,

   c) for participation in a national conference, delivering a paper or presenting a poster the candidate obtains 1 point,

   d) for participation in an international conference, delivering a paper or presenting a poster the candidate obtains 2 points,

   e) for certified participation in an organization of an international scientific conference the candidate obtains 1; whereas a conference is regarded as international if:

      – it is held outside the area of Poland or

      – it is held in Poland, but at least 1/3 of the active participants (i.e. those delivering papers or presenting posters) represent international research centres. The international character of a conference is based on its programme;

4) evaluation of the candidate's other achievements in research and teaching (e.g. confirmed involvement in the activity of a science club or active promotion of science) – the candidate may obtain up to 10 points;

5) evaluation of the opinion on the candidate's predispositions and abilities written by their MA thesis supervisor, or another scientist; the candidate receives for a positive opinion 5 points, regardless of a number of submitted opinions;

6) evaluation of the candidate's knowledge of English based on the submitted documents, according to the following rules:

   a) the candidate submits a document certifying the knowledge of English at the B2 level or a university graduation diploma certifying the knowledge of English at a level not lower than B2, or a document issued by PUEB following a test (organised by PUEB) – points

are not granted, as the certified knowledge of English at the B2 level is a prerequisite for the admission to the Doctoral School. The date of the test in linguistic competence conducted by PUEB, mentioned in point a), is set by PUEB; it must be carried out before the deadline for submitting the required documents stated in the admissions schedule.

7) interviewing the candidate and evaluating their performance during the interview – the candidate may score up to a total of 30 points for the following elements:

   - the presented motivation for research – up to 10 points,

   - the presentation of the concept of the doctoral dissertation – up to 20 points.

6. The candidate is informed about the interview's date and time by the Chairperson via email and a letter sent by registered mail to the address specified in the application for admission to the Doctoral School. Under exceptional circumstances – at the candidate's request – the interview can be carried out over a distance, using telecommunications technology.
7. During the interview, conducted in Polish or English, the candidate presents and elaborates on their motivation for applying for the admission to the Doctoral School, in particular: their interest in the specific discipline of science, scientific and/or professional achievements (including completed post-graduate studies or courses), the area of their research interest, contacts with researchers.
8. The maximum number of points to be scored during the admission procedure is 100.
9. The candidate may be refused admission to the Doctoral School for one of the following reasons:

   a) the preliminary concept of the doctoral dissertation presented by the candidate does not score at least 15 points or

   b) the candidate fails to submit at least one opinion on their predispositions and research skills defined in § 2 (1) point 5 or

   c) fails to submit the concept of the proposed research, approved by the potential supervisor of their doctoral dissertation or

   d) fails to submit the certificate of the competence in English at a level not lower than B2, or a diploma of completion of studies in English, or confirm their knowledge of English by a test conducted by PUEB or

   e) their total score during the admission procedure is lower than 60 points.

§ 3

A person selected via competition conducted in compliance with the rules defined in “the regulations of granting resources for the implementation of projects financed by the National Science Centre in the area of research projects” as a part of the Preludium Bis research project

to be implemented at PUEB is granted 100 points, should they decide to apply for the admission to the Doctoral School.

Resolution No. 16 (2021/2022)

of the Senate of Poznań University of Economics and Business

of 28.01.2022

on the terms of admission to the Doctoral School at Poznań University of Economics and Business being in force from admissions in the 2022/23 academic year, as well as the schedule of admissions for the 2022/23 academic year

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I. Pursuant to Art. 200 (2 and 3) of the Law on Science and Higher Education of 20 July 2018, as well as to § 83 (3) of the Statute of Poznań University of Economics and Business, the Senate, in the presence of 34 the members out of 35 of the statutory membership, by open vote, with 34 "yes", defined the terms of admission to the Doctoral School at Poznań University of Economics and Business, which are included as an appendix to this Resolution.

1. The terms of admission, indicated in point 1, are in force for the 2022/2023 academic year.
2. If the number of candidates admitted to the Doctoral School as a result of the admission procedure is lower than the established limit in a given year, the Rector may decide to announce a round of supplementary admissions, in compliance with the terms of admission, enclosed with this Resolution. The schedule of the supplementary admissions is established by the Rector.
3. The following schedule of the admissions to the Doctoral School at Poznań University of Economics and Business has been established for the 2022/2023 year:
   a) from 1 July to 16 August 2022 – candidates submit the application documents and register themselves in the electronic system;
   b) from 5 September 2022 – interviews with the candidates;
   c) till 15 September 2022 – the admission results are announced.

II. The Resolution becomes effective as of the date of its adoption.

III. Resolution No. 47 (2020/2021) of the Senate of Poznań University of Economics and Business of 18.12.2020 on the terms of admission to the Doctoral School at Poznań University of Economics being in force from the admissions in the 2021/22 academic year, as well as the schedule of the admissions for the 2021/22 academic year is repealed with effect from the entry into force of the Resolution.

The Electoral Commission consisted of dr Michał Borychowski and Kacper Krotecki.

The Senate session was chaired by

THE RECTOR

prof. dr hab. Maciej Żukowski

Appendix to the Resolution of
the PUEB Senate No. 16 of 28.01.2022

Terms of admission to the Doctoral School at Poznań University of Economics and Business

§ 1

1. The Doctoral School's admissions at the Poznań University of Economics and Business (from now on referred to as "Doctoral School") are conducted by way of competition. The competition procedure is carried out by the Competition Panel, from now on referred to as "Panel".
2. The University provides conditions allowing disabled persons to apply for admission to the Doctoral School. Should a candidate need any help, they should turn to the Office for the Disabled.
3. The Panel draws up a protocol of the admission procedure of each candidate. The Panel also draws up a consolidated protocol of the admissions procedure, including the offer of admission to the Doctoral School. This protocol, signed by the Panel members,

   is forwarded to the Rector.
4. An admission or a refusal to admit is decided upon by the Rector.
5. In the case of a refusal to admit, a candidate has the right to apply to the Rector for reconsideration or to file a complaint to the Administrative Court. The application

   to the Rector for reconsideration must be filed within 14 days from the decision date. The complaint to the Province Administrative Court must be filed through the PUEB Rector, within 30 days from the decision date.
6. The competition results are public. The list of persons admitted as doctoral students

   is published by the Rector on the PUEB website in the Doctoral School tab. The candidates are informed about the admission results in writing by registered mail.

§ 2

1. A person who wishes to apply for admission to the Doctoral School must fill in an application for admission (from now on referred to as "application") in the electronic system. The application must be filed within the period specified by the University in the admissions schedule. Applying by the IT system consists of:
   1) drawing up an application for admission addressed to the Director of the Doctoral School, using an electronic form;
   2) filling out a personal questionnaire, with consent for processing personal data, using an electronic form.

   The documents, as mentioned above, should be sent to the University via the electronic system. However, sending them via the electronic system does not relieve the candidate

from the obligation of sending the documents to the University in the way indicated in point 2 below.

2. After an application is filed in the electronic system, the candidate must send the printed and signed application and the personal questionnaire to the University's address by registered mail, along with the following documents:

   1) a copy of the diploma certifying that the candidate has obtained the MA or an equivalent title, with the reservation mentioned in point 3;

   2) the doctoral dissertation concept in Polish or English, following the scheme included, with a maximum number of words for each part specified in this scheme (the number of words is determined based on the MS Word report). The potential dissertation supervisor from PUEB must accept the concept;

   3) the list of the candidate's research and teaching achievements;

   4) the motivation letter (up to 450 words), including information about candidate's professional experiences and candidate's activities concerning designing PhD project, and indicating the potential doctoral dissertation supervisor;

   5) opinions (at least 1) about the candidate's predispositions and abilities written by the MA thesis supervisor, or by another researcher employed by a university or

      a scientific research institution;

   6) documents certifying the knowledge of English, i.e.:

      a) a copy of a certificate of the candidate's command of English at a level not lower than B2, or

      b) a university diploma certifying the knowledge of English at a level not lower than B2, or

      c) a document certifying the knowledge of English at a level not lower than B2 issued by PUEB (after a test);

   7) a certificate of the candidate's change of surname (for candidates with a diploma with a different surname than their current one);

   8) a coloured photograph in the digital form, sized 20 x 25 mm, in compliance with the requirements for passport photographs – resolution 300.pdi, in a jpg or tif format;

   9) moreover, the candidates who have decided to write a doctoral dissertation in the field of quality and management and have already been admitted to the Doctoral School are obliged to submit an occupational doctor's certificate of no contraindications

      to study at the Doctoral School, if it involves exposure to harmful, burdensome,

      or hazardous factors during the studies. The list of departments participating in the Doctoral School's programme in which a candidate might be exposed to such factors

is published on the University's website. In order to obtain such a certificate, the candidates for the Doctoral School who have been informed about their admission and who may be exposed to harmful, burdensome, or hazardous factors during their studies should collect a referral to the medical tests from the Doctoral School Office within the time specified by the Rector. The referral includes information about the place and the term of submitting the certificate issued by an occupational doctor. A failure to submit the certificate results in removing the doctoral student from the list of students.

3. Candidates who completed their studies abroad are obliged to submit: a recognition statement issued by the Narodowa Agencja Wymiany Akademickiej (NAWA), confirming that a candidate's diploma gives the right to access education at the doctoral school in Poland gives the right to submit the application to a doctoral school in Poland

   If the documents certifying the completion of studies abroad are in a language other than Polish or English, the candidate is additionally obliged to submit their translation into Polish or English.

4. A candidate who failed to submit all the required documents is summoned in writing by the Chairperson of the Admission Board (acting on behalf of the Rector) to file the missing documents in the assigned time – not longer than the period stated in the admissions schedule – under pain of leaving the application unexamined.

5. The admission procedure conducted by the Panel includes:

   1) checking if the candidate has filed all the required documents; if they fail to do it in spite of a summon, the Chairperson, acting on the Rector's behalf, notifies the candidate of leaving their application unexamined;

   2) evaluating the enclosed concept of the doctoral dissertation – a candidate may score from 0 to 35 points in total;

   3) evaluation of the candidate's research publications and their presentations

   at conferences – a candidate may obtain from 0 to 20 points, according to the following rules:

      a) a publication in a journal from the current (on the day of the publication) list of scientific journals and materials from international conferences issued by the minister responsible for science and higher education, with the assigned score – for

      a publication in a journal included in the list with a score up to 20 points – 15 points; for a publication in a journal included in the list with a score over 20 points – 20 points,

      b) a publication in a journal not included in the current list issued by the minister responsible for science and higher education – 5 points,

c) for participation in a national conference, delivering a paper or presenting a poster the candidate obtains 1 point,

d) for participation in an international conference, delivering a paper or presenting a poster the candidate obtains 2 points,

e) for certified participation in an organization of an international scientific conference the candidate obtains 1; whereas a conference is regarded as international if:

- it is held outside the area of Poland or
- it is held in Poland, but at least 1/3 of the active participants (i.e. those delivering papers or presenting posters) represent international research centres. The international character of a conference is based on its programme;

4) evaluation of the candidate's other achievements in research and teaching (e.g. confirmed involvement in the activity of a science club or active promotion of science) – the candidate may obtain up to 10 points;
5) evaluation of the opinion on the candidate's predispositions and abilities written by their MA thesis supervisor, or another scientist; the candidate receives for a positive opinion 5 points, regardless of a number of submitted opinions;
6) evaluation of the candidate's knowledge of English based on the submitted documents, according to the following rules:

a) the candidate submits a document certifying the knowledge of English at the B2 level or a university graduation diploma certifying the knowledge of English at a level not lower than B2, or a document issued by PUEB following a test (organised by PUEB),

b) points are not granted, as the certified knowledge of English at the B2 level is a prerequisite for the admission to the Doctoral School.

The date of the test in linguistic competence conducted by PUEB, mentioned in point a), is set by PUEB; it must be carried out before the deadline for submitting the required documents stated in the admissions schedule.

7) interviewing the candidate and evaluating their performance during the interview – the candidate may score up to a total of 30 points for the following elements:

- the presented motivation for research – up to 10 points,

- the presentation of the concept of the doctoral dissertation – up to 20 points.

6. The candidate is informed about the interview's date and time by the Chairperson via email and a letter sent by registered mail to the address specified in the application for admission to the Doctoral School. Under exceptional circumstances – at the candidate's request – the interview can be carried out over a distance, using telecommunications technology.

7. During the interview, conducted in Polish or English, the candidate presents and elaborates on their motivation for applying for the admission to the Doctoral School, in particular: their interest in the specific discipline of science, scientific and/or professional achievements (including completed post-graduate studies or courses), the area of their research interest, contacts with researchers.
8. The maximum number of points to be scored during the admission procedure is 100.
9. The candidate may be refused admission to the Doctoral School for one of the following reasons:
    a) the preliminary concept of the doctoral dissertation presented by the candidate does not score at least 15 points or
    b) the candidate fails to submit at least one opinion on their predispositions and research skills defined in § 2 (1) point 5 or
    c) fails to submit the concept of the proposed research, approved by the potential supervisor of their doctoral dissertation or
    d) fails to submit the certificate of the competence in English at a level not lower than B2, or a diploma of completion of studies in English, or confirm their knowledge of English by a test conducted by PUEB or
    e) their total score during the admission procedure is lower than 60 points.

§ 3

A person selected via competition conducted in compliance with the rules defined in “the regulations of granting resources for the implementation of projects financed by the National Science Centre in the area of research projects” as a part of the Preludium Bis research project to be implemented at PUEB is granted 100 points, should they decide to apply for the admission to the Doctoral School.

Resolution No. 13 (2022/2023)
of the Senate of the University of Economics and Business in Poznań
of January 27, 2023
On the schedule of recruitment to the Doctoral School conducted at the Poznań University of Economics and Business for the academic year 2023/2024

Acting on the basis of Article 200 paragraph 2 of the Law of July 20, 2018 on Higher Education and Science and § 83 paragraph 3 of the Statute of the Poznan University of Economics and Business, the Senate, in an open vote, in the presence of 32 persons out of a total of 35 statutory members, with 32 "yes" votes, adopted the following resolution:

1. The following recruitment schedule for the Doctoral School conducted at the Poznań University of Economics and Business for the academic year 2023/2024 is established:

a) from June 12 to August 16, 2023 - registration in the electronic system and submission of recruitment documents by candidates;
b) from September 4, 2023 - interviews with candidates;
c) until September 14, 2023 - announcement of recruitment results.

2. Recruitment will be conducted in accordance with the rules set forth in Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics and Business, dated January 28, 2022.

3. This resolution comes into force on the date of adoption.

The scrutiny committee consisted of dr hab. Marcin Gołembski and Karolina Rutkowska.

He presided over the proceedings of the Senate:

R E C T O R

(prof. dr hab. Maciej Żukowski)

Resolution No. 17 (2023/2024)

of the Senate of Poznań University of Economics and Business

of 15.12.2023

on the terms of admission to the Doctoral School at Poznań University of Economics and Business being in force from admissions in the 2024/25 academic year, as well as the schedule of admissions for the 2024/25 academic year

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I. Pursuant to Art. 200 (2 and 3) of the Law on Science and Higher Education of 20 July 2018, as well as to § 87 (3) of the Statute of Poznań University of Economics and Business, the Senate, in the presence of 29 the members out of 35 of the statutory membership, by open vote, with 29 "yes", defined the terms of admission to the Doctoral School at Poznań University of Economics and Business, which are included as an appendix to this Resolution.

1. The terms of admission, indicated in the Appendix, are in force for the 2024/2025 academic year.
2. If the number of candidates admitted to the Doctoral School as a result of the admission procedure is lower than the established limit in a given year, the Rector may decide to announce a round of supplementary admissions, in compliance with the terms of admission, enclosed with this Resolution. The schedule of the supplementary admissions is established by the Rector.
3. The following schedule of the admissions to the Doctoral School at Poznań University of Economics and Business has been established for the 2024/2025 year:
   a) from 10 June to 26 July 2024 – candidates submit the application documents and register themselves in the electronic system;
   b) from 2 September 2024 – interviews with the candidates;
   c) till 16 September 2024 – the admission results are announced.

II. The Resolution becomes effective as of the date of its adoption.

III. Resolution No. 16 (2021/2022) of the Senate of Poznań University of Economics and Business of 28.01.2022 on the terms of admission to the Doctoral School at Poznań University of Economics being in force from the admissions in the 2022/23 academic year, as well as the schedule of the admissions for the 2022/23 academic year is repealed with effect from the entry into force of the Resolution.

The Electoral Commission consisted of dr Katarzyna Lis and Tomasz Starzycki.

The Senate session was chaired by

THE RECTOR

(prof. dr hab. Maciej Żukowski)

Appendix to the Resolution of
the PUEB Senate No. 17 of 15.12.2023

Terms of admission to the Doctoral School at Poznań University of Economics and Business

§ 1

1. The Doctoral School's admissions at the Poznań University of Economics and Business (from now on referred to as "Doctoral School") are conducted by way of competition. The competition procedure is carried out by the Competition Panel, from now on referred to as "Panel".
2. The University provides conditions allowing disabled persons to apply for admission to the Doctoral School. Should a candidate need any help, they should turn to the Office for the persons with disablities.
3. The Panel draws up a protocol of the admission procedure of each candidate. The Panel also draws up a consolidated protocol of the admissions procedure, including the offer of admission to the Doctoral School. This protocol, signed by the Panel members, is forwarded to the Rector.
4. An admission or a refusal to admit is decided upon by the Rector.
5. In the case of a refusal to admit, a candidate has the right to apply to the Rector for reconsideration or to file a complaint to the Administrative Court. The application to the Rector for reconsideration must be filed within 14 days from the decision date. The complaint to the Province Administrative Court must be filed through the PUEB Rector, within 30 days from the decision date.
6. The competition results are public. The list of persons admitted as doctoral students is published by the Rector on the PUEB website in the Doctoral School tab. The candidates are informed about the admission results in writing by registered mail.

§ 2

1. A person who wishes to apply for admission to the Doctoral School must fill in an application for admission (from now on referred to as "application") in the electronic system. The application must be filed within the period specified by the University in the admissions schedule. Applying by the electronic system consists of:
    1) drawing up an application for admission addressed to the Director of the Doctoral School, using an electronic form;
    2) filling out a personal questionnaire, with consent for processing personal data, using an electronic form.

The documents, as mentioned above, should be sent to the University via the electronic system. However, sending them via the electronic system does not relieve the candidate from the obligation of sending the documents to the University in the way indicated in point 2 below.

2. After an application is filed in the electronic system, the candidate must send the printed and signed application and the personal questionnaire to the University's address by registered mail, along with the following documents:

   1) a copy of the diploma certifying that the candidate has obtained the MA or an equivalent title, with the reservation mentioned in point 3 and § 5 point 1;

   2) the doctoral dissertation concept in Polish or English, following the scheme included, with a maximum number of words for each part specified in this scheme (the number of words is determined based on the MS Word report). The potential dissertation supervisor from PUEB must accept the concept;

   3) the list of the candidate's research and teaching achievements;

   4) the motivation letter (up to 450 words), including information about candidate's professional experiences and candidate's activities concerning designing PhD project, and indicating the potential doctoral dissertation supervisor;

   5) opinions (at least 1) about the candidate's predispositions and abilities written by the MA thesis supervisor, or by another researcher employed by a university or a scientific research institution;

   6) documents certifying the knowledge of English, i.e.:

      a) a copy of a certificate of the candidate's command of English at a level not lower than B2, or

      b) a university diploma certifying the knowledge of English at a level not lower than B2, or

      c) a document certifying the knowledge of English at a level not lower than B2 issued by PUEB (after a test);

   7) a certificate of the candidate's change of surname (for candidates with a diploma with a different surname than their current one);

   8) a coloured photograph in the digital form, sized 20 x 25 mm, in compliance with the requirements for passport photographs – resolution 300.pdi, in a jpg or tif format;

   9) moreover, the candidates who have decided to write a doctoral dissertation in the field of quality and management and have already been admitted to the Doctoral School are obliged to submit an occupational doctor's certificate of no contraindications to study at the Doctoral School, if it involves exposure to harmful,

burdensome, or hazardous factors during the studies. The list of departments participating in the Doctoral School's programme in which a candidate might be exposed to such factors is published on the University's website. In order to obtain such a certificate, the candidates for the Doctoral School who have been informed about their admission and who may be exposed to harmful, burdensome, or hazardous factors during their studies should collect a referral to the medical tests from the Doctoral School Office within the time specified by the Rector. The referral includes information about the place and the term of submitting the certificate issued by an occupational doctor. A failure to submit the certificate results in removing the doctoral student from the list of students.

3. Candidates who completed their studies abroad are obliged to submit: a recognition statement issued by the Narodowa Agencja Wymiany Akademickiej (NAWA), confirming that a candidate's diploma gives the right to access education at the doctoral school in Poland gives the right to submit the application to a doctoral school in Poland

   If the documents certifying the completion of studies abroad are in a language other than Polish or English, the candidate is additionally obliged to submit their translation into Polish or English.

4. A candidate who failed to submit all the required documents is summoned in writing by the Chairperson of the Panel (acting on behalf of the Rector) to file the missing documents in the assigned time – not longer than the period stated in the admissions schedule – under pain of leaving the application unexamined.

§ 3

1. The admission procedure conducted by the Panel includes:
   1) checking if the candidate has filed all the required documents; if they fail to do it in spite of a summon, the Chairperson, acting on the Rector's behalf, notifies the candidate of leaving their application unexamined;
   2) evaluating the enclosed concept of the doctoral dissertation – a candidate may score up to 35 points in total;
   3) evaluation of the candidate's research publications – a candidate may obtain up to 20 points, for all publications, according to the following rules:
      a) a publication as an author or a co-author in a journal from the current (on the day of the publication) list of scientific journals and materials from international conferences issued by the minister responsible for science and higher education, with the assigned score – for a publication in a journal included in the list with a score up to (and including) 40 points– 10 points; for a publication in a journal included in the list with a score over 40 points up to 70 (including) – 15 points, for a publication in a journal included in the list with a score over 70 points – 20 points,

the number of points awarded is independent of the number of authors of a given publication,

b) a publication of a reviewed paper in a journal not included in the current list issued by the minister responsible for science and higher education – 5 points,

4) evaluation of the candidate's other achievements in research and teaching (e.g., confirmed involvement in the activity of a science club issued by a research supervisor,; an active participation in a scientific conference confirmed by a certificate of attendance issued by an organizer, or an active promotion of science) – the candidate may obtain up to 10 points;

5) evaluation of the opinion on the candidate's predispositions and abilities written by their MA thesis supervisor, or another scientist; the candidate receives for a positive opinion 5 points, regardless of a number of submitted opinions;

6) evaluation of the candidate's knowledge of English based on the submitted documents, according to the following rules:

a) the candidate submits a document certifying the knowledge of English at the B2 level or a university graduation diploma certifying the knowledge of English at a level not lower than B2, or a document issued by PUEB following a test (organised by PUEB),

b) points are not granted, as the certified knowledge of English at the B2 level is a prerequisite for the admission to the Doctoral School.

The date of the test in linguistic competence conducted by PUEB, mentioned in point a), is set by PUEB; it must be carried out before the deadline for submitting the required documents stated in the admissions schedule.

7) interviewing the candidate and evaluating their performance during the interview – the candidate may score up to a total of 30 points. The assessment concerns the candidate's knowledge of the topic of the doctoral dissertation, and its basic purpose is to verify the candidate's knowledge in this field. The interview is conducted in Polish or English. The Panel draws up a protocol on the candidate's interview.

2. The candidate is informed about the interview's date and time, as well as the place and form of interview by the Chairperson via e-mail sent to the e-mail address specified in the application for admission to the Doctoral School. An interview with a candidate who graduated from a foreign university can be carried out over a distance, using telecommunications technology ensuring real-time transmission of sound and image, while maintaining the necessary safety rules.. The Chairperson decides on this matter. Before starting the interview with the candidate, the Chairperson verifies the candidate's personal data based on the ID card or other ID document with a photo presented by the candidate. In justified cases, the interview may take place using the electronic means of communication referred to above, also in the case of other candidates - at their request.

3. The maximum number of points to be scored during the admission procedure is 100.

4. The candidate may be refused admission to the Doctoral School for one of the following reasons:
   a) the preliminary concept of the doctoral dissertation presented by the candidate does not score at least 15 points or
   b) the candidate fails to submit at least one opinion on their predispositions and research skills defined in § 2 point 2, subpoint 5 or
   c) fails to submit the concept of the proposed research, approved by a potential supervisor of their doctoral dissertation or
   d) fails to submit the certificate of the competence in English at a level not lower than B2, or a diploma of completion of studies in English, or confirm their knowledge of English by a test conducted by PUEB or
   e) their total score during the admission procedure is lower than 60 points.

§ 4

A person selected via competition conducted in compliance with the rules defined in "the regulations of granting resources for the implementation of projects financed by the National Science Centre in the area of research projects" as a part of the Preludium Bis research project to be implemented at PUEB is granted 100 points, should they decide to apply for the admission to the Doctoral School.

§ 5

1. The person referred to in Article 186 (2) of the Law on Higher Education and Science may participate in the admission procedure. Such a person submits a diploma of completion of first-cycle studies or a certificate issued by a university certifying the completion of the third year of education at 5-year Master's studies and documentation confirming the possession of scientific achievements of the highest quality in the discipline in which the Doctoral School offers education.
2. The candidate referred to in point 1 participates in the admission procedure if, based on the submitted documentation, it can be concluded that he meets at least two of the three criteria:
   a) the candidate is a single author of at least one scientific article in a journal included in the year of publication of the article in the Academic Journal Guide published by the Chartered Association of Business Schools and indexed in at least one of the databases: Scopus or Web of Science, or a co-author of at least two articles meeting these requirements or
   b) during the last 5 years before the starting date of admission to the Doctoral School, the candidate was for a period of at least 5 months a member of a research team conducting a research project financed by the National Science Center or the National

Center for Research and Development, or by another institution which in the higher education system or science of a given country funds research projects or

c) in the last 5 years before the date of admission to the Doctoral School, the candidate was a participant of the "Diamond Grant" or "Pearls of Science" program or another program organized by the minister responsible for science and higher education, the aim of which is to support exceptionally talented students by enabling them to conduct scientific research, or was supported by another program that, in the higher education or science system of a given country, entitles them to start education at the doctoral level.

Schedule to Resolution No. 83 (2018/2019)
of the Senate of Poznań University of Economics and Business
of 26 April 2019

Rules and Regulations of the Doctoral School at Poznań University of Economics and Business

I. TRAINING

Article 1

1. Doctoral training shall be provided by the Doctoral School at Poznań University of Economics and Business (hereinafter referred to as the Doctoral School) with the exception of the doctoral programmes referred to in the Law on Higher Education Act of 27 July 2005, commenced before the academic year 2019/2020, and doctoral programmes followed under the *Implementation Doctorate* scheme.
2. The training of doctoral students shall prepare them for the award of a doctoral degree.
3. No fees shall be charged for the training of doctoral students at the Doctoral School.
4. The training process at the Doctoral School shall be supervised by the Academic Advancement Board as of the date of its appointment.
5. The number of places available at the Doctoral School in the first year of training shall be determined by the Rector.
6. The terms and procedures of admission shall be established by the Senate.

Article 2

1. The training of doctoral students shall last from 6 to 8 semesters in accordance with the curriculum specified by the Senate.
2. A person enrolled in the Doctoral School shall commence their training and acquire doctoral student rights upon taking the oath. It is possible to be a doctoral student in only one doctoral school at a time.
3. The training of doctoral students at the Doctoral School shall be conducted based on the curriculum and the individual research plan of a given doctoral student.
4. The curriculum may provide for practical training in the form of teaching or participating in the teaching of courses, to the extent specified in the curriculum, but with the teaching load not exceeding 60 class hours per year.
5. A doctoral student, in consultation with his or her supervisor(s), shall draw up an individual research plan containing, in particular, a schedule for the preparation of his or her doctoral dissertation, and present it to the Rector of the University through the Director of the Doctoral School within 12 months following the commencement of training. In the case of the appointment of an assistant supervisor, the plan shall be presented after it has been reviewed and approved by the said supervisor.

6. The provisions of these rules and regulations regarding a supervisor shall also apply to supervisors in the case of appointing more than one supervisor for a given doctoral student.
7. Before submitting an individual research plan to the Rector, the Director of the Doctoral School shall consult the Doctoral School Council and, if necessary, the Academic Advancement Board.
8. The individual research plan shall comprise the initial concept of the doctoral dissertation, a schedule for the preparation of the doctoral dissertation, and the deadline for the submission of the doctoral dissertation; where a doctoral student has obtained approval for an individual study programme, such an individual study programme shall also be included. If a doctoral student pursues an individual study programme, the condition for enrolment in a subsequent semester shall be the successful completion of all subjects and work placements provided for in his or her individual study programme.
9. The mid-term assessment of the execution of the individual research plan shall be carried out by a committee at the mid-point of the training period as defined in the curriculum. The committee shall be composed of three persons, including at least one person holding the academic degree of *doktor habilitowany* or the title of professor in the discipline in which a given doctoral dissertation is being prepared, employed outside the institution operating the doctoral school. A supervisor and assistant supervisor may not serve as members of the assessment committee.
10. The mid-term assessment shall involve:
    1) reviewing the documents related to the course of training, in particular with regard to the execution of the individual study programme, and
    2) a presentation by the doctoral student of their accomplishments to date (no longer than 15 minutes) and
    3) the committee's discussion with a doctoral student concerning the dissertation being prepared.

    The result of the mid-term assessment may be either positive or negative.
11. The result of the assessment together with its substantiation shall be publicly available.
12. Following consultation with the Doctoral School Council, the Director of the Doctoral School shall apply to the Academic Advancement Board for the appointment of a supervisor or supervisors and an assistant supervisor for individual doctoral students. The Academic Advancement Board shall appoint the supervisors within 3 months of the commencement of training. The Academic Advancement Board may appoint a supervisor other than the prospective supervisors listed in the School's offer prepared by the Director of the Doctoral School.
13. The Academic Advancement Board shall also decide on the replacement of the supervisor and the assistant supervisor. Replacement of the supervisor and assistant supervisor may occur:
    1) upon a justified request of a doctoral student, or
    2) at the request of the Director of the Doctoral School, or
    3) at the initiative of the Academic Advancement Board.
14. The training of a doctoral student must lead to the achievement of learning outcomes at Level 8 of the Polish Qualifications Framework (PRK).
15. A doctoral student shall be required to complete a work placement as defined in the curriculum.

16. A doctoral student shall be enrolled in the next semester if he or she has successfully completed all subjects and has achieved the total of ECTS credits required to complete a given semester, and has completed the work placement scheduled for that semester. The curriculum may be followed by a doctoral student both at the Poznań University of Economics and Business, as well as, to a certain extent, in other doctoral training establishments and institutions or research or scientific research establishments/institutions at home or abroad. The recognition of a doctoral student's attainments earned outside of PUEB is carried out in accordance with the rules applicable in the ECTS system. The Director of the Doctoral School shall give consent to the execution of the curriculum in the institutions referred to above upon consultation with all supervisors.
17. A doctoral student shall be struck off the list of doctoral students in the cases specified in the Law on Higher Education and Science Act of 20 July 2018 (hereinafter referred to as the Act).
18. A doctoral student may be struck off the student register in the cases specified in the Act.
19. A doctoral student shall be struck off the register of doctoral students by an administrative decision issued by the Rector or a person authorised by the Rector.
20. A doctoral student may appeal against the decision on removal from the student register to the Rector. Such a request for an appeal shall be submitted within 14 days from receiving the removal decision through the Director of the Doctoral School.
21. If the requirements set out in Art. 2.16 hereof are not met, the Director of the Doctoral School may, at the request of a doctoral student, decide to allow the student to continue studies at the next semester, provided that the student successfully completes the failed subjects, setting a deadline for their completion, which may not exceed one semester. In such a case, a doctoral student shall, in consultation with the course instructor, agree to a deadline for obtaining the required credit. The Director of the Doctoral School shall notify a doctoral student of his or her conditional completion of a semester and of the time limit set for the fulfilment of the conditions in writing against a confirmation of receipt; a doctoral student may, within seven days of the receipt of the notification, discontinue education or training, giving notice in writing against a confirmation of receipt. Upon the lapse of this deadline, a doctoral student who does not give notice of his or her resignation shall be enrolled (conditionally) in the next semester of education. The decision to allow a doctoral student to repeat classes may not result in the extension of the period of education at the Doctoral School. A doctoral student may be granted a conditional semester credit only once.
22. A doctoral student shall not have the right to repeat a semester or a year of study.
23. A person struck off the register of doctoral students shall be obliged to return books, materials, and any other items owned by the University, as well as to meet all financial obligations towards the University.
24. The education of doctoral students at the Doctoral School shall take into account the special needs of disabled persons.

Article 3

1. The deadline for the submission of a doctoral dissertation, as specified in the individual research plan, may be extended by the Rector pursuant to the terms laid down in the Act and these Rules and Regulations.
2. The deadline for the submission of the doctoral dissertation may be extended at the legitimate request of a doctoral student in the case of:
   1) the replacement of the supervisor,
   2) death of the supervisor or long-term inability of the supervisor to perform his/her duties,
   3) prolonged illness of a doctoral student exceeding 3 months at a time,
   4) the need to complete scientific research or development work necessary for the submission of the doctoral dissertation.

   The deadline for the submission of the doctoral dissertation shall be extended after consultation with all supervisors and assistant supervisors, except for the provisions of Art. 3.2.1 and 3.2.2 hereof.
3. Education at the Doctoral School may be suspended in the cases specified in the Act, at the request of a doctoral student.
4. The provisions of Art. 3.2 hereof shall also apply to an assistant supervisor.

Article 4

The Director of the Doctoral School shall act as the direct supervisor of doctoral students with respect to the implementation of the curriculum and their individual research plan. A doctoral student shall report to the Director of the Institute in which he or she has been assigned courses to teach.

Article 5

1. A doctoral student shall be required to follow the curriculum and execute their individual research plan.
2. A doctoral student shall be required to act in accordance with the wording of the oath, the rules and regulations of the Doctoral School and the doctoral student's code of ethics adopted at the University.
3. The duties of a doctoral student shall also include:
   1) submitting a report on research work to the Director of the Doctoral School within 14 days of the end of each semester; the report shall be accompanied by the opinion of all supervisors and the assistant supervisor on the progress of research work and the preparation of the doctoral dissertation,
   2) participating in the activities of doctoral student self-government,
   3) observing the regulations and internal normative acts in force at the University.
4. Should the need arise to conduct research related to the doctoral dissertation at a considerable distance from the seat of the University, resulting in particular from agreements concluded by the University, the Director of the Doctoral School may, in consultation with all supervisors and the assistant supervisor, exempt a doctoral student from the obligation to attend classes covered by the curriculum for the time necessary to carry out the research. The exemption from the obligation to attend classes shall not

release a doctoral student from the duty to successfully complete and obtain credits for the subjects covered by the curriculum.

Article 6

1. Doctoral students shall have the right to:
   1) attend lectures delivered at the University, unless access to those lectures has been restricted,
   2) make use of the public services of the University (e.g. library collections, scientific information, computer laboratories, Internet access),
   3) receive a doctoral student identity card,
   4) receive other benefits provided for in the Act or internal University regulations, pursuant to the terms and conditions laid down in those regulations.
2. In addition to the rights specified in Art. 6.1 above, doctoral students may apply for:
   1) foreign scholarships as part of the University's international contacts,
   2) domestic and foreign scientific studies or research internships,
   3) co-financing of scientific research from the funds of the Ministry of Science and Higher Education and other institutions involved in funding such activities.

Article 7

1. Doctoral students with disabilities may apply for adjustments to the way the education process is organised and implemented to take account of the type of disability.
2. Decisions in the cases referred to in Art. 7.1 above shall be made by the Director of the Doctoral School, following consultation with the Rector's Representative for Disabled Persons.
3. Doctoral students referred to in Art. 7.1 shall include:

1) disabled persons holding a valid certificate of the degree of disability,
2) chronically ill persons without a certified degree of disability, whose medical records confirm their health status,
3) persons in whom a sudden illness or accident has resulted in a temporary inability to fully participate in classes and these circumstances are confirmed by the submitted medical records.

Article 8

1. The Director of the Doctoral School shall certify the successful completion of examinations and credit tests, credits for each semester, work placements and research internships on the doctoral student's interim academic progress sheet, which documents the course of doctoral education.
2. The doctoral student's interim academic progress sheet shall be maintained in accordance with the template specified by the Rector and shall be kept in the student's personal file. The doctoral student may access its contents using the ICT systems operating at the University.

3. The University shall apply the following grading scale for credits and exams:

Grade	Abbreviation	Digit	Letter	Points
Bardzo dobry (Very good)	bdb	5.0	**A**	90-100
Dobry plus (Good plus)	db pl	4.5	**B**	82-89
Dobry (Good)	db	4.0	**C**	73-81
Dostateczny plus (Satisfactory plus)	dst pl	3.5	**D**	64-72
Dostateczny (Satisfactory)	dst	3.0	**E**	55-63
Niedostateczny (Poor)	ndst	2.0	**F**	54 and less

4. A doctoral student is entitled to two attempts at obtaining credits/examinations for each course in a given credit period: the main attempt and one resit, at dates specified in the academic calendar.
5. For the Doctoral School, the academic calendar, to the extent not resulting from the Act and the Statute, shall be determined by the Rector.

Article 9

1. Education at the Doctoral School concludes with the submission of a doctoral dissertation.
2. At the request of a person who has not completed education at the Doctoral School, the University shall issue a certificate on the course of education. Such certificate shall be signed by the Rector or a person duly authorised by them.

II. ORGANIZATION OF THE DOCTORAL SCHOOL

Article 10

1. The Doctoral School shall be headed by the Director of the Doctoral School, hereinafter referred to as the Director, with the assistance of the Deputy Director.
2. The Director and the Deputy Director of the School shall be appointed and dismissed by the Rector at the request of the Vice-Rector responsible for the training of doctoral students or at his/her own initiative. Such appointment shall require consultation with the self-government body for doctoral students as indicated in the regulations of that self-government. The doctoral students' self-government shall issue its opinion within 21 days as of the receipt of the Rector's request. Should this time limit expire ineffectively, the consultation requirement shall be considered to have been satisfied.

3. The division of responsibilities between the Director and Deputy Director shall be determined by the Director of the Doctoral School.
4. The Deputy Director shall assume the role of the Director when he/she is absent and/or unable to carry out his/her duties for other reasons.
5. The Director's powers in terms of organising and executing the teaching process are as follows:
   1) developing a draft curriculum of the Doctoral School and draft staffing for the courses,
   2) arranging courses in accordance with the curriculum, including cooperation with the University administration in order to ensure appropriate teaching facilities,
   3) supervising the delivery of courses,
   4) reviewing (every semester) the execution of the curriculum and the individual research plans of individual doctoral students based on the interim progress reports submitted by the doctoral students and the feedback from the supervisor(s),
   5) performing other tasks as specified in these Rules and Regulations.
   6. The Director's financial responsibilities include:
      1) developing components of the University's financial plan and the provisional financial plan for the Doctoral School, as well as any amendments thereto,
      2) implementing the University's financial plan and the provisional financial plan as regards the Doctoral School.
   7. The staffing of the courses offered by the Doctoral School shall be recommended by the Director of the Doctoral School and approved by the Doctoral School Council.
   8. A doctoral student may raise objections to the Rector with respect to the semester review referred to in Art. 10.5.4 hereof. Any such objections shall be submitted in writing within seven days of receiving the result of the review. While raising objections, doctoral students shall be obliged to indicate which sections of the disputed review they disagree with and why.
   9. The Rector shall investigate the objections upon receiving the opinion of the Director. The Director shall express his/her position on the matter within no more than 14 days of the date of becoming aware of the doctoral student's objections. The above procedure shall apply accordingly in the event that a doctoral student raises objections to the decisions of the Director of the Doctoral School in matters relating to the completion of a semester.

Article 11

Doctoral School Council

1. The Rector shall appoint the Doctoral School Council.
2. The Doctoral School Council shall comprise:
   1) the Director of the Doctoral School as the Chairperson,
   2) the Deputy Director of the Doctoral School as the Deputy Chairperson,
   3) a representative of each Institute appointed by the Rector following consultation with the Director of the Institute,
   4) representatives of foreign universities or research institutions invited by the Rector,

5) a representative of doctoral students, appointed by the doctoral student self-government.

3. The rules for convening meetings of the Doctoral School Council and making decisions shall be laid down in the rules and regulations of the Doctoral School Council adopted by the Council by a simple majority of votes. In the event of an equal number of votes for and against, the Director of the Doctoral School shall have the casting vote.
4. The responsibilities of the Doctoral School Council shall include the following:
   1) reviewing the draft curriculum of the Doctoral School and any changes thereto,
   2) preparing the draft rules and regulations of the Doctoral School and recommending any changes thereto,
   3) approving the staffing of courses provided by the Doctoral School,
   4) preparing the draft terms of admission to the Doctoral School,
   5) reviewing the individual research plans of doctoral students,
   6) suggesting the composition of a committee for the mid-term assessment of the execution of individual research plans for doctoral students,
   7) issuing opinions on matters concerning the admissions procedure and the education of doctoral students, submitted by the Rector or the Academic Advancement Board,
   8) interim evaluation of the quality of education at the Doctoral School,
   9) any other duties as provided for in the laws in force and the University Statutes.
5. The Doctoral School Council shall participate in the drafting of the University's development strategy with respect to the education of doctoral students.

Schedule to Resolution No. 56 (2020/2021)
of the Senate of Poznań University of Economics and Business
of 26 February 2021

Rules and Regulations of the Doctoral School at Poznań University of Economics and Business

I. TRAINING

Article 1

1. Doctoral training shall be provided by the Doctoral School at Poznań University of Economics and Business (hereinafter referred to as the Doctoral School) with the exception of the doctoral programmes referred to in the Law on Higher Education Act of 27 July 2005, commenced before the academic year 2019/2020, and doctoral programmes followed under the *Implementation Doctorate* scheme.
2. The training of doctoral students shall prepare them for the award of a doctoral degree.
3. No fees shall be charged for the training of doctoral students at the Doctoral School.
4. The training process at the Doctoral School shall be supervised by the Academic Advancement Board as of the date of its appointment.
5. The number of places available at the Doctoral School in the first year of training shall be determined by the Rector.
6. The terms and procedures of admission shall be established by the Senate.

Article 2

1. The training of doctoral students shall last from 6 to 8 semesters in accordance with the curriculum specified by the Senate.
2. A person enrolled in the Doctoral School shall commence their training and acquire doctoral student rights upon taking the oath. It is possible to be a doctoral student in only one doctoral school at a time.
3. The training of doctoral students at the Doctoral School shall be conducted based on the curriculum and the individual research plan of a given doctoral student.
4. The curriculum may provide for practical training in the form of teaching or participating in the teaching of courses, to the extent specified in the curriculum, but with the teaching load not exceeding 60 class hours per year.
5. A doctoral student, in consultation with his or her supervisor(s), shall draw up an individual research plan containing, in particular, a schedule for the preparation of his or her doctoral dissertation, and present it to the Rector of the University through the Director of the Doctoral School within 12 months following the commencement of training. In the case of the appointment of an assistant supervisor, the plan shall be presented after it has been reviewed and approved by the said supervisor.

6. The provisions of these rules and regulations regarding a supervisor shall also apply to supervisors in the case of appointing more than one supervisor for a given doctoral student.
7. Before submitting an individual research plan to the Rector, the Director of the Doctoral School shall consult the Doctoral School Council and, if necessary, the Academic Advancement Board.
8. The individual research plan shall comprise the initial concept of the doctoral dissertation, a schedule for the preparation of the doctoral dissertation, and the deadline for the submission of the doctoral dissertation; where a doctoral student has obtained approval for an individual study programme, such an individual study programme shall also be included. If a doctoral student pursues an individual study programme, the condition for enrolment in a subsequent semester shall be the successful completion of all subjects and work placements provided for in his or her individual study programme.
9. The mid-term assessment of the execution of the individual research plan shall be carried out by a committee at the mid-point of the training period as defined in the curriculum. The committee shall be composed of three persons, including at least one person holding the academic degree of *doktor habilitowany* or the title of professor in the discipline in which a given doctoral dissertation is being prepared, employed outside the institution operating the doctoral school. A supervisor and assistant supervisor may not serve as members of the assessment committee.
10. The mid-term assessment shall involve:
    1) reviewing the documents related to the course of training, in particular with regard to the execution of the individual study programme, and
    2) a presentation by the doctoral student of their accomplishments to date (no longer than 15 minutes) and
    3) the committee's discussion with a doctoral student concerning the dissertation being prepared.

    The result of the mid-term assessment may be either positive or negative.
11. The result of the assessment together with its substantiation shall be publicly available.
12. Following consultation with the Doctoral School Council, the Director of the Doctoral School shall apply to the Academic Advancement Board for the appointment of a supervisor or supervisors and an assistant supervisor for individual doctoral students. The Academic Advancement Board shall appoint the supervisors within 3 months of the commencement of training. The Academic Advancement Board may appoint a supervisor other than the prospective supervisors listed in the School's offer prepared by the Director of the Doctoral School.
13. The Academic Advancement Board shall also decide on the replacement of the supervisor and the assistant supervisor. Replacement of the supervisor and assistant supervisor may occur:
    1) upon a justified request of a doctoral student, or
    2) at the request of the Director of the Doctoral School, or
    3) at the initiative of the Academic Advancement Board.
14. The training of a doctoral student must lead to the achievement of learning outcomes at Level 8 of the Polish Qualifications Framework (PRK).
15. A doctoral student shall be required to complete a work placement as defined in the curriculum.

16. A doctoral student shall be enrolled in the next semester if he or she has successfully completed all subjects and has achieved the total of ECTS credits required to complete a given semester, and has completed the work placement scheduled for that semester. The curriculum may be followed by a doctoral student both at the Poznań University of Economics and Business, as well as, to a certain extent, in other doctoral training establishments and institutions or research or scientific research establishments/institutions at home or abroad. The recognition of a doctoral student's attainments earned outside of PUEB is carried out in accordance with the rules applicable in the ECTS system. The Director of the Doctoral School shall give consent to the execution of the curriculum in the institutions referred to above upon consultation with all supervisors.
17. A doctoral student shall be struck off the list of doctoral students in the cases specified in the Law on Higher Education and Science Act of 20 July 2018 (hereinafter referred to as the Act).
18. A doctoral student may be struck off the student register in the cases specified in the Act.
19. A doctoral student shall be struck off the register of doctoral students by an administrative decision issued by the Rector or a person authorised by the Rector.
20. A doctoral student may appeal against the decision on removal from the student register to the Rector. Such a request for an appeal shall be submitted within 14 days from receiving the removal decision through the Director of the Doctoral School.
21. If the requirements set out in Art. 16 hereof are not met, the Director of the Doctoral School may, at the request of a doctoral student, decide to allow the student to continue studies at the next semester, provided that the student successfully completes the failed subjects, setting a deadline for their completion, which may not exceed one semester. In such a case, a doctoral student shall, in consultation with the course instructor, agree to a deadline for obtaining the required credit. The Director of the Doctoral School shall notify a doctoral student of his or her conditional completion of a semester and of the time limit set for the fulfilment of the conditions in writing against a confirmation of receipt; a doctoral student may, within seven days of the receipt of the notification, discontinue education or training, giving notice in writing against a confirmation of receipt. Upon the lapse of this deadline, a doctoral student who does not give notice of his or her resignation shall be enrolled (conditionally) in the next semester of education. The decision to allow a doctoral student to repeat classes may not result in the extension of the period of education at the Doctoral School. A doctoral student may be granted a conditional semester credit only once.
22. A doctoral student shall not have the right to repeat a semester or a year of study.
23. A person struck off the register of doctoral students shall be obliged to return books, materials, and any other items owned by the University, as well as to meet all financial obligations towards the University.
24. The education of doctoral students at the Doctoral School shall take into account the special needs of disabled persons.
25. The course of training of a doctoral student at the Doctoral School at UEP shall be documented in the doctoral student's personal file, which shall contain, among others, the documents required and submitted in the process of enrolment, the documents concerning the course of training referred to in § 2, 3 and 8, as well as the documents related to the completion of training specified in § 9.

26. Documentation of the course of education at the UEP Doctoral School is also carried out in the Integrated Information System on Higher Education and Science POL-on to the extent resulting from the relevant regulations".

Article 3

1. The deadline for the submission of a doctoral dissertation, as specified in the individual research plan, may be extended by the Rector pursuant to the terms laid down in the Act and these Rules and Regulations.
2. The deadline for the submission of the doctoral dissertation may be extended at the legitimate request of a doctoral student in the case of:
   1) the replacement of the supervisor,
   2) death of the supervisor or long-term inability of the supervisor to perform his/her duties,
   3) prolonged illness of a doctoral student exceeding 3 months at a time,
   4) the need to complete scientific research or development work necessary for the submission of the doctoral dissertation.

   The deadline for the submission of the doctoral dissertation shall be extended after consultation with all supervisors and assistant supervisors, except for the provisions of Art. 3.2.1 and 3.2.2 hereof.
3. Education at the Doctoral School may be suspended in the cases specified in the Act, at the request of a doctoral student.
4. The provisions of Art. 3.2 hereof shall also apply to an assistant supervisor.

Article 4

The Director of the Doctoral School shall act as the direct supervisor of doctoral students with respect to the implementation of the curriculum and their individual research plan. A doctoral student shall report to the Director of the Institute in which he or she has been assigned courses to teach.

Article 5

1. A doctoral student shall be required to follow the curriculum and execute their individual research plan.
2. A doctoral student shall be required to act in accordance with the wording of the oath, the rules and regulations of the Doctoral School and the doctoral student’s code of ethics adopted at the University.
3. The duties of a doctoral student shall also include:
   1) submitting a report on research work to the Director of the Doctoral School within 14 days of the end of each semester; the report shall be accompanied by the opinion of all supervisors and the assistant supervisor on the progress of research work and the preparation of the doctoral dissertation,
   2) participating in the activities of doctoral student self-government,
   3) observing the regulations and internal normative acts in force at the University.
4. Should the need arise to conduct research related to the doctoral dissertation at a considerable distance from the seat of the University, resulting in particular from

agreements concluded by the University, the Director of the Doctoral School may, in consultation with all supervisors and the assistant supervisor, exempt a doctoral student from the obligation to attend classes covered by the curriculum for the time necessary to carry out the research. The exemption from the obligation to attend classes shall not release a doctoral student from the duty to successfully complete and obtain credits for the subjects covered by the curriculum.

Article 6

1. Doctoral students shall have the right to:
   1) attend lectures delivered at the University, unless access to those lectures has been restricted,
   2) make use of the public services of the University (e.g. library collections, scientific information, computer laboratories, Internet access),
   3) receive a doctoral student identity card,
   4) receive other benefits provided for in the Act or internal University regulations, pursuant to the terms and conditions laid down in those regulations.
2. In addition to the rights specified in Art. 6.1 above, doctoral students may apply for:
   1) foreign scholarships as part of the University's international contacts,
   2) domestic and foreign scientific studies or research internships,
   3) co-financing of scientific research from the funds of the Ministry of Science and Higher Education and other institutions involved in funding such activities.

Article 7

1. Doctoral students with disabilities may apply for adjustments to the way the education process is organised and implemented to take account of the type of disability.
2. Decisions in the cases referred to in Art. 7.1 above shall be made by the Director of the Doctoral School, following consultation with the Rector's Representative for Disabled Persons.
3. Doctoral students referred to in Art. 7.1 shall include:

1) disabled persons holding a valid certificate of the degree of disability,
2) chronically ill persons without a certified degree of disability, whose medical records confirm their health status,
3) persons in whom a sudden illness or accident has resulted in a temporary inability to fully participate in classes and these circumstances are confirmed by the submitted medical records.

Article 8

1. The Director of the Doctoral School shall certify the successful completion of examinations and credit tests, credits for each semester, work placements and research internships on the doctoral student's interim academic progress sheet, which documents the course of doctoral education.

2. The doctoral student's interim academic progress sheet shall be maintained in accordance with the template specified by the Rector and shall be kept in the student's personal file. The doctoral student may access its contents using the ICT systems operating at the University.
3. The University shall apply the following grading scale for credits and exams:

Grade	Abbreviation	Digit	Letter	Points
Bardzo dobry (Very good)	bdb	5.0	**A**	90-100
Dobry plus (Good plus)	db pl	4.5	**B**	82-89
Dobry (Good)	db	4.0	**C**	73-81
Dostateczny plus (Satisfactory plus)	dst pl	3.5	**D**	64-72
Dostateczny (Satisfactory)	dst	3.0	**E**	55-63
Niedostateczny (Fail)	ndst	2.0	**F**	54 and less

4. A doctoral student is entitled to two attempts at obtaining credits/examinations for each course in a given credit period: the main attempt and one resit, at dates specified in the academic calendar.
5. For the Doctoral School, the academic calendar, to the extent not resulting from the Act and the Statute, shall be determined by the Rector.

Article 9

1. Education at the Doctoral School concludes with the submission of a doctoral dissertation.
2. At the request of a person who has not completed education at the Doctoral School, the University shall issue a certificate on the course of education. Such certificate shall be signed by the Rector or a person duly authorised by them.

II. ORGANIZATION OF THE DOCTORAL SCHOOL

Article 10

1. The Doctoral School shall be headed by the Head of the Doctoral School, hereinafter referred to as the Director. The Rector may appoint a Deputy Director of the Doctoral School, hereinafter referred to as the Deputy Director.
2. The Director shall be appointed and dismissed by the Rector on a proposal from the Vice-Rector responsible for doctoral education, or on his own initiative. Appointment of a Director shall require consultation with the doctoral student self-government

body indicated in the regulations of that self-government. This opinion shall be given within 21 days of the receipt of the rector's request for an opinion from the doctoral student self-government. Should this time limit expire without effect, the requirement for an opinion shall be considered fulfilled.

3. The Deputy Director shall take the place of the Director when he or she is absent or prevented from attending to his or her duties for other reasons. In such cases, the Deputy Director shall take the decisions and take the decisions provided for by these rules for the Director of the Doctoral School.
4. The Deputy Director shall also assist the Headmaster in the performance of day-to-day tasks. The division of the day-to-day tasks between the Principal and the Deputy Principal shall be determined by the Director of the School.
5. The Director’s powers in terms of organising and executing the teaching process are as follows:

1) developing a draft curriculum of the Doctoral School and draft staffing for the courses,
2) arranging courses in accordance with the curriculum, including cooperation with the University administration in order to ensure appropriate teaching facilities,
3) supervising the delivery of courses,
4) reviewing (every semester) the execution of the curriculum and the individual research plans of individual doctoral students based on the interim progress reports submitted by the doctoral students and the feedback from the supervisor(s),
5) performing other tasks as specified in these Rules and Regulations.

6. The Director’s financial responsibilities include:
   1) developing components of the University’s financial plan and the provisional financial plan for the Doctoral School, as well as any amendments thereto,
   2) implementing the University’s financial plan and the provisional financial plan as regards the Doctoral School.
7. The staffing of the courses offered by the Doctoral School shall be recommended by the Director of the Doctoral School and approved by the Doctoral School Council.
8. A doctoral student may raise objections to the Rector with respect to the semester review referred to in Art. 10.5.4 hereof. Any such objections shall be submitted in writing within seven days of receiving the result of the review. While raising objections, doctoral students shall be obliged to indicate which sections of the disputed review they disagree with and why.
9. The Rector shall investigate the objections upon receiving the opinion of the Director. The Director shall express his/her position on the matter within no more than 14 days of the date of becoming aware of the doctoral student’s objections. The above procedure shall apply accordingly in the event that a doctoral student raises objections to the decisions of the Director of the Doctoral School in matters relating to the completion of a semester.

Article 11

Doctoral School Council

1. The Council of the Doctoral School and its individual members are appointed and dismissed by the Rector.

2. The Doctoral School Council shall comprise:
   1) the Director of the Doctoral School as the Chairperson,
   2) Deputy Director of the Doctoral School (if appointed),
   3) a representative of each Institute appointed by the Rector following consultation with the Director of the Institute,
   4) representatives of foreign universities or research institutions invited by the Rector,
   5) a representative of doctoral students, appointed by the doctoral student self-government.
   6) other persons appointed by the Rector.

3. The Chairman of the Council of the Doctoral School shall be replaced by a person designated by him from among the members of the Council, or in the absence of such designation, by a person designated by the Rector from among the members of the Council.

4. The Council of the Doctoral School shall take decisions or express its position in the form of resolutions. Resolutions of the Council shall be adopted by a simple majority of votes. In the event of an equal number of votes for and against, the person chairing the Council meeting at which the vote is taken shall have the casting vote.

5. The Council of the Doctoral School may adopt rules of procedure of the Council of the Doctoral School, specifying detailed rules for the holding of its meetings.

6. The responsibilities of the Doctoral School Council shall include the following:
   1) reviewing the draft curriculum of the Doctoral School and any changes thereto,
   2) preparing the draft rules and regulations of the Doctoral School and recommending any changes thereto,
   3) approving the staffing of courses provided by the Doctoral School,
   4) preparing the draft terms of admission to the Doctoral School,
   5) reviewing the individual research plans of doctoral students,
   6) suggesting the composition of a committee for the mid-term assessment of the execution of individual research plans for doctoral students,
   7) issuing opinions on matters concerning the admissions procedure and the education of doctoral students, submitted by the Rector or the Academic Advancement Board,
   8) interim evaluation of the quality of education at the Doctoral School,
   9) any other duties as provided for in the laws in force and the University Statutes.

7. The Doctoral School Council shall participate in the drafting of the University's development strategy with respect to the education of doctoral students.

Schedule to Resolution No. 17 (2021/2022)
of the Senate of Poznań University of Economics and Business
of 28 January 2022

Rules and Regulations of the Doctoral School at Poznań University of Economics and Business

I. TRAINING

Article 1

1. Doctoral training shall be provided by the Doctoral School at Poznań University of Economics and Business (hereinafter referred to as the Doctoral School) with the exception of the doctoral programmes referred to in the Law on Higher Education Act of 27 July 2005, commenced before the academic year 2019/2020, and doctoral programmes followed under the *Implementation Doctorate* scheme.
2. The training of doctoral students shall prepare them for the award of a doctoral degree.
3. No fees shall be charged for the training of doctoral students at the Doctoral School.
4. The training process at the Doctoral School shall be supervised by the Academic Advancement Board as of the date of its appointment.
5. The number of candidates admitted in any given academic year to the Doctoral School shall be determined by the Rector.
6. The terms and procedures of admission shall be established by the Senate.

Article 2

1. The training of doctoral students shall last from 6 to 8 semesters in accordance with the curriculum specified by the Senate.
2. A person enrolled in the Doctoral School shall commence their training and acquire doctoral student rights upon taking the oath. It is possible to be a doctoral student in only one doctoral school at a time.
3. The training of doctoral students at the Doctoral School shall be conducted based on the curriculum and the individual research plan of a given doctoral student.
4. The curriculum may provide for practical training in the form of teaching or participating in the teaching of courses, to the extent specified in the curriculum, but with the teaching load not exceeding 60 class hours per year.
5. A doctoral student, in consultation with his or her supervisor(s), shall draw up an individual research plan containing, in particular, a schedule for the preparation of his or her doctoral dissertation, and present it to the Rector of the University through the Director of the Doctoral School within 12 months following the commencement of training. In the case of the appointment of an assistant supervisor, the plan shall be presented after it has been reviewed and approved by the said supervisor.

6. The provisions of these rules and regulations regarding a supervisor shall also apply to supervisors in the case of appointing more than one supervisor for a given doctoral student.
7. Before submitting an individual research plan to the Rector, the Director of the Doctoral School shall consult the Doctoral School Council and, if necessary, the Academic Advancement Board.
8. The individual research plan shall comprise the initial concept of the doctoral dissertation, a schedule for the preparation of the doctoral dissertation, and the deadline for the submission of the doctoral dissertation; where a doctoral student has obtained approval for an individual study programme, such an individual study programme shall also be included. If a doctoral student pursues an individual study programme, the condition for enrolment in a subsequent semester shall be the successful completion of all subjects and work placements provided for in his or her individual study programme.
9. The mid-term assessment of the execution of the individual research plan shall be carried out by a committee at the mid-point of the training period as defined in the curriculum. The committee shall be composed of three persons, including at least one person holding the academic degree of *doktor habilitowany* or the title of professor in the discipline in which a given doctoral dissertation is being prepared, employed outside the institution operating the doctoral school. A supervisor and assistant supervisor may not serve as members of the assessment committee.
10. The mid-term assessment shall involve:
    1) reviewing the documents related to the course of training, in particular with regard to the execution of the individual study programme, and
    2) a presentation by the doctoral student of their accomplishments to date (no longer than 15 minutes) and
    3) the committee's discussion with a doctoral student concerning the dissertation being prepared.

    The result of the mid-term assessment may be either positive or negative.
11. The result of the assessment together with its substantiation shall be publicly available.
12. Following consultation with the Doctoral School Council, the Director of the Doctoral School shall apply to the Academic Advancement Board for the appointment of a supervisor or supervisors and an assistant supervisor for individual doctoral students. The Academic Advancement Board shall appoint the supervisors within 3 months of the commencement of training. The Academic Advancement Board may appoint a supervisor other than the prospective supervisors listed in the School's offer prepared by the Director of the Doctoral School.
13. The Academic Advancement Board shall also decide on the replacement of the supervisor and the assistant supervisor. Replacement of the supervisor and assistant supervisor may occur:
    1) upon a justified request of a doctoral student, or
    2) at the request of the Director of the Doctoral School, or
    3) at the initiative of the Academic Advancement Board.
14. The training of a doctoral student must lead to the achievement of learning outcomes at Level 8 of the Polish Qualifications Framework (PRK).
15. A doctoral student shall be required to complete a work placement as defined in the curriculum.

16. A doctoral student shall be enrolled in the next semester if he or she has successfully completed all subjects and has achieved the total of ECTS credits required to complete a given semester, and has completed the work placement scheduled for that semester. The curriculum may be followed by a doctoral student both at the Poznań University of Economics and Business, as well as, to a certain extent, in other doctoral training establishments and institutions or research or scientific research establishments/institutions at home or abroad. The recognition of a doctoral student's attainments earned outside of PUEB is carried out in accordance with the rules applicable in the ECTS system. The Director of the Doctoral School shall give consent to the execution of the curriculum in the institutions referred to above upon consultation with all supervisors.
17. A doctoral student shall be struck off the list of doctoral students in the cases specified in the Law on Higher Education and Science Act of 20 July 2018 (hereinafter referred to as the Act).
18. A doctoral student may be struck off the student register in the cases specified in the Act.
19. A doctoral student shall be struck off the register of doctoral students by an administrative decision issued by the Rector or a person authorised by the Rector.
20. A doctoral student may appeal against the decision on removal from the student register to the Rector. Such a request for an appeal shall be submitted within 14 days from receiving the removal decision through the Director of the Doctoral School.
21. If the requirements set out in Art. 16 hereof are not met, the Director of the Doctoral School may, at the request of a doctoral student, decide to allow the student to continue studies at the next semester, provided that the student successfully completes the failed subjects, and Director of the Doctoral School sets a deadline for their completion, which may not exceed one semester. In such a case, a doctoral student shall, in consultation with the course instructor, agree to a deadline for obtaining the required credit. The Director of the Doctoral School shall notify a doctoral student of his or her conditional completion of a semester and of the time limit set for the fulfilment of the conditions in writing against a confirmation of receipt; a doctoral student may, within seven days of the receipt of the notification, discontinue education or training, giving notice in writing against a confirmation of receipt. Upon the lapse of this deadline, a doctoral student who does not give notice of his or her resignation shall be enrolled (conditionally) in the next semester of education. The need to pass classes referred above, may not result in the extension of the period of education at the Doctoral School. A doctoral student may be granted a conditional semester credit only once.
22. A doctoral student shall not have the right to repeat a semester or a year of study.
23. A person struck off the register of doctoral students shall be obliged to return books, materials, and any other items owned by the University, as well as to meet all financial obligations towards the University.
24. The education of doctoral students at the Doctoral School shall take into account the special needs of disabled persons.
25. The course of training of a doctoral student at the Doctoral School at UEP shall be documented in the doctoral student's personal file, which shall contain, among others, the documents required and submitted in the process of enrolment, the documents concerning the course of training referred to in § 2, 3 and 8, as well as the documents related to the completion of training specified in § 9.

26. Documentation of the course of education at the UEP Doctoral School is also carried out in the Integrated Information System on Higher Education and Science POL-on to the extent resulting from the relevant regulations".

Article 3

1. The deadline for the submission of a doctoral dissertation, as specified in the individual research plan, may be extended by the Rector pursuant to the terms laid down in the Act and these Rules and Regulations.
2. The deadline for the submission of the doctoral dissertation may be extended at the legitimate request of a doctoral student in the case of:
   1) the replacement of the supervisor,
   2) death of the supervisor or long-term inability of the supervisor to perform his/her duties,
   3) prolonged illness of a doctoral student exceeding 3 months at a time,
   4) the need to complete scientific research or development work necessary for the submission of the doctoral dissertation.

   The deadline for the submission of the doctoral dissertation shall be extended after consultation with all supervisors and assistant supervisors, except for the provisions of Art. 3.2.1 and 3.2.2 hereof.
3. Education at the Doctoral School may be suspended in the cases specified in the Act, at the request of a doctoral student.
4. The provisions of Art. 3.2 hereof shall also apply to an assistant supervisor.

Article 4

The Director of the Doctoral School shall act as the direct supervisor of doctoral students with respect to the implementation of the curriculum and their individual research plan. A doctoral student shall report to the Director of the Institute in which he or she has been assigned courses to teach.

Article 5

1. A doctoral student shall be required to follow the curriculum and execute their individual research plan.
2. A doctoral student shall be required to act in accordance with the wording of the oath, the rules and regulations of the Doctoral School and the doctoral student’s code of ethics adopted at the University.
3. The duties of a doctoral student shall also include:
   1) submitting a report on research work to the Director of the Doctoral School within 14 days of the end of each semester; the report shall be accompanied by the opinion of all supervisors and the assistant supervisor on the progress of research work and the preparation of the doctoral dissertation,
   2) participating in the activities of doctoral student self-government,
   3) observing the regulations and internal normative acts in force at the University.
4. Should the need arise to conduct research related to the doctoral dissertation at a considerable distance from the seat of the University, resulting in particular from

agreements concluded by the University, the Director of the Doctoral School may, in consultation with all supervisors and the assistant supervisor, exempt a doctoral student from the obligation to attend classes covered by the curriculum for the time necessary to carry out the research. The exemption from the obligation to attend classes shall not release a doctoral student from the duty to successfully complete and obtain credits for the subjects covered by the curriculum.

Article 6

1. Doctoral students shall have the right to:
   1) attend lectures delivered at the University, unless access to those lectures has been restricted,
   2) make use of the public services of the University (e.g. library collections, scientific information, computer laboratories, Internet access),
   3) receive a doctoral student identity card,
   4) receive other benefits provided for in the Act or internal University regulations, pursuant to the terms and conditions laid down in those regulations.
2. In addition to the rights specified in Art. 6.1 above, doctoral students may apply for:
   1) foreign scholarships as part of the University's international contacts,
   2) domestic and foreign scientific studies or research internships,
   3) co-financing of scientific research from the funds of the Ministry of Science and Higher Education and other institutions involved in funding such activities.

Article 7

1. Doctoral students with disabilities may apply for adjustments to the way the education process is organised and implemented to take account of the type of disability.
2. Decisions in the cases referred to in Art. 7.1 above shall be made by the Director of the Doctoral School, following consultation with the Rector's Representative for Disabled Persons.
3. Doctoral students referred to in Art. 7.1 shall include:

1) disabled persons holding a valid certificate of the degree of disability,
2) chronically ill persons without a certified degree of disability, whose medical records confirm their health status,
3) persons in whom a sudden illness or accident has resulted in a temporary inability to fully participate in classes and these circumstances are confirmed by the submitted medical records.

Article 8

1. The Director of the Doctoral School shall certify the successful completion of examinations and credit tests, credits for each semester, work placements and research internships on the doctoral student's interim academic progress sheet, which documents the course of doctoral education.

2. The doctoral student's interim academic progress sheet shall be maintained in accordance with the template specified by the Rector and shall be kept in the student's personal file. The doctoral student may access its contents using the ICT systems operating at the University.
3. The University shall apply the following grading scale for credits and exams:

Grade	Abbreviation	Digit	Letter	Points
Bardzo dobry (Very good)	bdb	5.0	**A**	90-100
Dobry plus (Good plus)	db pl	4.5	**B**	82-89
Dobry (Good)	db	4.0	**C**	73-81
Dostateczny plus (Satisfactory plus)	dst pl	3.5	**D**	64-72
Dostateczny (Satisfactory)	dst	3.0	**E**	55-63
Niedostateczny (Fail)	ndst	2.0	**F**	54 and less

4. A doctoral student is entitled to two attempts at obtaining credits/examinations for each course in a given credit period: the main attempt and one resit, at dates specified in the academic calendar.
5. For the Doctoral School, the academic calendar, to the extent not resulting from the Act and the Statute, shall be determined by the Rector.

Article 9

1. Education at the Doctoral School concludes with the submission of a doctoral dissertation.
2. At the request of a person who has not completed education at the Doctoral School, the University shall issue a certificate on the course of education. Such certificate shall be signed by the Rector or a person duly authorised by them.

II. ORGANIZATION OF THE DOCTORAL SCHOOL

Article 10

1. The Doctoral School shall be headed by the Head of the Doctoral School, hereinafter referred to as the Director. The Rector may appoint a Deputy Director of the Doctoral School, hereinafter referred to as the Deputy Director.
2. The Director shall be appointed and dismissed by the Rector on a proposal from the Vice-Rector responsible for doctoral education, or on his own initiative. Appointment of a Director shall require consultation with the doctoral student self-government

body indicated in the regulations of that self-government. This opinion shall be given within 21 days of the receipt of the rector's request for an opinion from the doctoral student self-government. Should this time limit expire without effect, the requirement for an opinion shall be considered fulfilled.

3. The Deputy Director shall take the place of the Director when he or she is absent or prevented from attending to his or her duties for other reasons. In such cases, the Deputy Director shall take the decisions and take the decisions provided for by these rules for the Director of the Doctoral School.
4. The Deputy Director shall also assist the Headmaster in the performance of day-to-day tasks. The division of the day-to-day tasks between the Principal and the Deputy Principal shall be determined by the Director of the School.
5. The Director’s powers in terms of organising and executing the educational process of doctoral students are as follows:

1) developing a draft curriculum of the Doctoral School and draft staffing for the courses,
2) arranging courses in accordance with the curriculum, including cooperation with the University administration in order to ensure appropriate teaching facilities,
3) supervising the delivery of courses,
4) reviewing (every semester) the execution of the curriculum and the individual research plans of individual doctoral students based on the interim progress reports submitted by the doctoral students and the feedback from the supervisor(s),
5) performing other tasks as specified in these Rules and Regulations.

6. The Director’s financial responsibilities include:
   1) developing components of the University’s financial plan and the provisional financial plan for the Doctoral School, as well as any amendments thereto,
   2) implementing the University’s financial plan and the provisional financial plan as regards the Doctoral School.
7. The staffing of the courses offered by the Doctoral School shall be recommended by the Director of the Doctoral School and approved by the Doctoral School Council.
8. A doctoral student may raise objections to the Rector with respect to the semester review referred to in Art. 10.5.4 hereof. Any such objections shall be submitted in writing within seven days of receiving the result of the review. While raising objections, doctoral students shall be obliged to indicate which sections of the disputed review they disagree with and why.
9. The Rector shall investigate the objections upon receiving the opinion of the Director. The Director shall express his/her position on the matter within no more than 14 days of the date of becoming aware of the doctoral student’s objections. The above procedure shall apply accordingly in the event that a doctoral student raises objections to the decisions of the Director of the Doctoral School in matters relating to the completion of a semester.

Article 11

Doctoral School Council

1. The Council of the Doctoral School and its individual members are appointed and dismissed by the Rector.

2. The Doctoral School Council shall comprise:
   1) the Director of the Doctoral School as the Chairperson,
   2) Deputy Director of the Doctoral School (if appointed),
   3) a representative of each Institute appointed by the Rector following consultation with the Director of the Institute,
   4) representatives of foreign universities or research institutions invited by the Rector,
   5) a representative of doctoral students, appointed by the doctoral student self-government.
   6) other persons appointed by the Rector.

3. The Chairman of the Council of the Doctoral School shall be replaced by a person designated by him from among the members of the Council, or in the absence of such designation, by a person designated by the Rector from among the members of the Council.

4. The Council of the Doctoral School shall take decisions or express its position in the form of resolutions. Resolutions of the Council shall be adopted by a simple majority of votes of persons participating in the voting. In the event of an equal number of votes for and against, the person chairing the Council meeting at which the vote is taken shall have the casting vote.

5. The Council of the Doctoral School may adopt rules of procedure of the Council of the Doctoral School, specifying detailed rules for the holding of its meetings.

6. The responsibilities of the Doctoral School Council shall include the following:
   1) reviewing the draft curriculum of the Doctoral School and any changes thereto,
   2) preparing the draft rules and regulations of the Doctoral School and recommending any changes thereto,
   3) approving the staffing of courses provided by the Doctoral School,
   4) preparing the draft terms of admission to the Doctoral School,
   5) reviewing the individual research plans of doctoral students,
   6) suggesting the composition of a committee for the mid-term assessment of the execution of individual research plans for doctoral students,
   7) issuing opinions on matters concerning the admissions procedure and the education of doctoral students, submitted by the Rector or the Academic Advancement Board,
   8) interim evaluation of the quality of education at the Doctoral School,
   9) any other duties as provided for in the laws in force and the University Statutes.

7. The Doctoral School Council shall participate in the drafting of the University’s development strategy with respect to the education of doctoral students.

Annex 1

to the Regulations of the Doctoral School

of the Poznań University of Economics and Business (PUEB)

Principles of conducting a mid-term assessment at the Doctoral School of the PUEB

Par. 1

Activities during a mid-term assessment:

1) A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.

2) The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.

3) During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual re-

search plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.

4) As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be effectively delivered within 14 days of sending it, even if it has not been collected or has been returned with the annotation ‘unknown addressee’, ‘addressee moved out’ or the like.

Par. 2

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes ‘for’ and ‘against’, the casting vote is that of the chairman of the committee;

2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;

3) a report is drawn up of the meeting of the mid-term assessment committee;

4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;

5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;

6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

Schedule to Resolution No. 30 (2022/2023)
of the Senate of Poznań University of Economics and Business
of 28 April 2023

Rules and Regulations of the Doctoral School at Poznań University of Economics and Business

I. TRAINING

Article 1

1. Doctoral training shall be provided by the Doctoral School at Poznań University of Economics and Business (hereinafter referred to as the Doctoral School) with the exception of the doctoral programmes referred to in the Law on Higher Education Act of 27 July 2005, commenced before the academic year 2019/2020, and doctoral programmes followed under the *Implementation Doctorate* scheme.
2. The training of doctoral students shall prepare them for the award of a doctoral degree.
3. No fees shall be charged for the training of doctoral students at the Doctoral School.
4. The training process at the Doctoral School shall be supervised by the Academic Advancement Board as of the date of its appointment.
5. The number of candidates admitted in any given academic year to the Doctoral School shall be determined by the Rector.
6. The terms and procedures of admission shall be established by the Senate.

Article 2

1. The training of doctoral students shall last from 6 to 8 semesters in accordance with the curriculum specified by the Senate.
2. A person enrolled in the Doctoral School shall commence their training and acquire doctoral student rights upon taking the oath. It is possible to be a doctoral student in only one doctoral school at a time.
3. The training of doctoral students at the Doctoral School shall be conducted based on the curriculum and the individual research plan of a given doctoral student.
4. The curriculum may provide for practical training in the form of teaching or participating in the teaching of courses, to the extent specified in the curriculum, but with the teaching load not exceeding 60 class hours per year.
5. A doctoral student, in consultation with his or her supervisor(s), shall draw up an individual research plan containing, in particular, a schedule for the preparation of his or her doctoral dissertation, and present it to the Rector of the University through the Director of the Doctoral School within 12 months following the commencement of training. In the case of the appointment of an assistant supervisor, the plan shall be presented after it has been reviewed and approved by the said supervisor.

6. The provisions of these rules and regulations regarding a supervisor shall also apply to supervisors in the case of appointing more than one supervisor for a given doctoral student.
7. Before submitting an individual research plan to the Rector, the Director of the Doctoral School shall consult the Doctoral School Council and, if necessary, the Academic Advancement Board.
8. The individual research plan shall comprise the initial concept of the doctoral dissertation, a schedule for the preparation of the doctoral dissertation, and the deadline for the submission of the doctoral dissertation; where a doctoral student has obtained approval for an individual study programme, such an individual study programme shall also be included. If a doctoral student pursues an individual study programme, the condition for enrolment in a subsequent semester shall be the successful completion of all subjects and work placements provided for in his or her individual study programme.
9. The mid-term assessment of the execution of the individual research plan shall be carried out by a committee at the mid-point of the training period as defined in the curriculum. The committee shall be composed of three persons, including at least one person holding the academic degree of *doktor habilitowany* or the title of professor in the discipline in which a given doctoral dissertation is being prepared, employed outside the institution operating the doctoral school or a person referred to in Article 190(5) of the Act of 20 July 2018 Law on Higher Education and Science (hereinafter referred to as the "Act"). A supervisor and assistant supervisor may not serve as members of the assessment committee.
10. The mid-term assessment shall involve:
    1) reviewing the documents related to the course of training, in particular with regard to the execution of the individual study programme, and
    2) a presentation by the doctoral student of their accomplishments to date (no longer than 15 minutes) and
    3) the committee's discussion with a doctoral student concerning the dissertation being prepared.

    The result of the mid-term assessment may be either positive or negative.
11. The result of the assessment together with its substantiation shall be publicly available.
12. Following consultation with the Doctoral School Council, the Director of the Doctoral School shall apply to the Academic Advancement Board for the appointment of a supervisor or supervisors and an assistant supervisor for individual doctoral students. The Academic Advancement Board shall appoint the supervisors within 3 months of the commencement of training. The Academic Advancement Board may appoint a supervisor other than the prospective supervisors listed in the School's offer prepared by the Director of the Doctoral School.
13. The Academic Advancement Board shall also decide on the replacement of the supervisor and the assistant supervisor. Replacement of the supervisor and assistant supervisor may occur:
    1) upon a justified request of a doctoral student, or
    2) at the request of the Director of the Doctoral School, or
    3) at the initiative of the Academic Advancement Board.
14. The training of a doctoral student must lead to the achievement of learning outcomes at Level 8 of the Polish Qualifications Framework (PRK).

15. A doctoral student shall be required to complete a work placement as defined in the curriculum.
16. A doctoral student shall be enrolled in the next semester if he or she has successfully completed all subjects and has achieved the total of ECTS credits required to complete a given semester, and has completed the work placement scheduled for that semester. The curriculum may be followed by a doctoral student both at the Poznań University of Economics and Business, as well as, to a certain extent, in other doctoral training establishments and institutions or research or scientific research establishments/institutions at home or abroad. The recognition of a doctoral student's attainments earned outside of PUEB is carried out in accordance with the rules applicable in the ECTS system. The Director of the Doctoral School shall give consent to the execution of the curriculum in the institutions referred to above upon consultation with all supervisors.
17. A doctoral student shall be struck off the list of doctoral students in the cases specified in the Law on Higher Education and Science Act of 20 July 2018 (hereinafter referred to as the Act).
18. A doctoral student may be struck off the student register in the cases specified in the Act.
19. A doctoral student shall be struck off the register of doctoral students by an administrative decision issued by the Rector or a person authorised by the Rector.
20. A doctoral student may appeal against the decision on removal from the student register to the Rector. Such a request for an appeal shall be submitted within 14 days from receiving the removal decision through the Director of the Doctoral School.
21. If the requirements set out in Art. 16 hereof are not met, the Director of the Doctoral School may, at the request of a doctoral student, decide to allow the student to continue studies at the next semester, provided that the student successfully completes the failed subjects, and Director of the Doctoral School sets a deadline for their completion, which may not exceed one semester. In such a case, a doctoral student shall, in consultation with the course instructor, agree to a deadline for obtaining the required credit. The Director of the Doctoral School shall notify a doctoral student of his or her conditional completion of a semester and of the time limit set for the fulfilment of the conditions in writing against a confirmation of receipt; a doctoral student may, within seven days of the receipt of the notification, discontinue education or training, giving notice in writing against a confirmation of receipt. Upon the lapse of this deadline, a doctoral student who does not give notice of his or her resignation shall be enrolled (conditionally) in the next semester of education. The need to pass classes referred above, may not result in the extension of the period of education at the Doctoral School. A doctoral student may be granted a conditional semester credit only once.
22. A doctoral student shall not have the right to repeat a semester or a year of study.
23. A person struck off the register of doctoral students shall be obliged to return books, materials, and any other items owned by the University, as well as to meet all financial obligations towards the University.
24. The education of doctoral students at the Doctoral School shall take into account the special needs of disabled persons.
25. The course of training of a doctoral student at the Doctoral School at UEP shall be documented in the doctoral student's personal file, which shall contain, among others, the documents required and submitted in the process of enrolment, the documents

concerning the course of training referred to in § 2, 3 and 8, as well as the documents related to the completion of training specified in § 9.

26. Documentation of the course of education at the UEP Doctoral School is also carried out in the Integrated Information System on Higher Education and Science POL-on to the extent resulting from the relevant regulations".

Article 3

1. The deadline for the submission of a doctoral dissertation, as specified in the individual research plan, may be extended by the Rector pursuant to the terms laid down in the Act and these Rules and Regulations.
2. The deadline for the submission of the doctoral dissertation may be extended at the legitimate request of a doctoral student in the case of:
   1) the replacement of the supervisor,
   2) death of the supervisor or long-term inability of the supervisor to perform his/her duties,
   3) prolonged illness of a doctoral student exceeding 3 months at a time,
   4) the need to complete scientific research or development work necessary for the submission of the doctoral dissertation.

   The deadline for the submission of the doctoral dissertation shall be extended after consultation with all supervisors and assistant supervisors, except for the provisions of Art. 3.2.1 and 3.2.2 hereof.
3. Education at the Doctoral School may be suspended in the cases specified in the Act, at the request of a doctoral student.
4. The provisions of Art. 3.2 hereof shall also apply to an assistant supervisor.

Article 4

The Director of the Doctoral School shall act as the direct supervisor of doctoral students with respect to the implementation of the curriculum and their individual research plan. A doctoral student shall report to the Director of the Institute in which he or she has been assigned courses to teach.

Article 5

1. A doctoral student shall be required to follow the curriculum and execute their individual research plan.
2. A doctoral student shall be required to act in accordance with the wording of the oath, the rules and regulations of the Doctoral School and the doctoral student’s code of ethics adopted at the University.
3. The duties of a doctoral student shall also include:
   1) submitting a report on research work to the Director of the Doctoral School within 14 days of the end of each semester; the report shall be accompanied by the opinion of all supervisors and the assistant supervisor on the progress of research work and the preparation of the doctoral dissertation,
   2) participating in the activities of doctoral student self-government,
   3) observing the regulations and internal normative acts in force at the University.

4. Should the need arise to conduct research related to the doctoral dissertation at a considerable distance from the seat of the University, resulting in particular from agreements concluded by the University, the Director of the Doctoral School may, in consultation with all supervisors and the assistant supervisor, exempt a doctoral student from the obligation to attend classes covered by the curriculum for the time necessary to carry out the research. The exemption from the obligation to attend classes shall not release a doctoral student from the duty to successfully complete and obtain credits for the subjects covered by the curriculum.

Article 6

1. Doctoral students shall have the right to:
   1) attend lectures delivered at the University, unless access to those lectures has been restricted,
   2) make use of the public services of the University (e.g. library collections, scientific information, computer laboratories, Internet access),
   3) receive a doctoral student identity card,
   4) receive other benefits provided for in the Act or internal University regulations, pursuant to the terms and conditions laid down in those regulations.
2. In addition to the rights specified in Art. 6.1 above, doctoral students may apply for:
   1) foreign scholarships as part of the University's international contacts,
   2) domestic and foreign scientific studies or research internships,
   3) co-financing of scientific research from the funds of the Ministry of Science and Higher Education and other institutions involved in funding such activities.

Article 7

1. Doctoral students with disabilities may apply for adjustments to the way the education process is organised and implemented to take account of the type of disability.
2. Decisions in the cases referred to in Art. 7.1 above shall be made by the Director of the Doctoral School, following consultation with the Rector's Representative for Disabled Persons.
3. Doctoral students referred to in Art. 7.1 shall include:

1) disabled persons holding a valid certificate of the degree of disability,
2) chronically ill persons without a certified degree of disability, whose medical records confirm their health status,
3) persons in whom a sudden illness or accident has resulted in a temporary inability to fully participate in classes and these circumstances are confirmed by the submitted medical records.

Article 8

1. The Director of the Doctoral School shall certify the successful completion of examinations and credit tests, credits for each semester, work placements and research internships on the doctoral student's interim academic progress sheet, which documents the course of doctoral education.
2. The doctoral student's interim academic progress sheet shall be maintained in accordance with the template specified by the Rector and shall be kept in the student's personal file. The doctoral student may access its contents using the ICT systems operating at the University.
3. The University shall apply the following grading scale for credits and exams:

Grade	Abbreviation	Digit	Letter	Points
Bardzo dobry (Very good)	bdb	5.0	**A**	90-100
Dobry plus (Good plus)	db pl	4.5	**B**	82-89
Dobry (Good)	db	4.0	**C**	73-81
Dostateczny plus (Satisfactory plus)	dst pl	3.5	**D**	64-72
Dostateczny (Satisfactory)	dst	3.0	**E**	55-63
Niedostateczny (Fail)	ndst	2.0	**F**	54 and less

4. A doctoral student is entitled to two attempts at obtaining credits/examinations for each course in a given credit period: the main attempt and one resit, at dates specified in the academic calendar.
5. For the Doctoral School, the academic calendar, to the extent not resulting from the Act and the Statute, shall be determined by the Rector.

Article 9

1. Education at the Doctoral School concludes with the submission of a doctoral dissertation.
2. At the request of a person who has not completed education at the Doctoral School, the University shall issue a certificate on the course of education. Such certificate shall be signed by the Rector or a person duly authorised by them.

II. ORGANIZATION OF THE DOCTORAL SCHOOL

Article 10

1. The Doctoral School shall be headed by the Head of the Doctoral School, hereinafter referred to as the Director. The Rector may appoint a Deputy Director of the Doctoral School, hereinafter referred to as the Deputy Director.
2. The Director shall be appointed and dismissed by the Rector on a proposal from the Vice-Rector responsible for doctoral education, or on his own initiative. Appointment of a Director shall require consultation with the doctoral student self-government body indicated in the regulations of that self-government. This opinion shall be given within 21 days of the receipt of the rector's request for an opinion from the doctoral student self-government. Should this time limit expire without effect, the requirement for an opinion shall be considered fulfilled.
3. The Deputy Director shall take the place of the Director when he or she is absent or prevented from attending to his or her duties for other reasons. In such cases, the Deputy Director shall take the decisions and take the decisions provided for by these rules for the Director of the Doctoral School.
4. The Deputy Director shall also assist the Headmaster in the performance of day-to-day tasks. The division of the day-to-day tasks between the Principal and the Deputy Principal shall be determined by the Director of the School.
5. The Director’s powers in terms of organising and executing the educational process of doctoral students are as follows:

1) developing a draft curriculum of the Doctoral School and draft staffing for the courses,
2) arranging courses in accordance with the curriculum, including cooperation with the University administration in order to ensure appropriate teaching facilities,
3) supervising the delivery of courses,
4) reviewing (every semester) the execution of the curriculum and the individual research plans of individual doctoral students based on the interim progress reports submitted by the doctoral students and the feedback from the supervisor(s),
5) performing other tasks as specified in these Rules and Regulations.

6. The Director’s financial responsibilities include:
   1) developing components of the University’s financial plan and the provisional financial plan for the Doctoral School, as well as any amendments thereto,
   2) implementing the University’s financial plan and the provisional financial plan as regards the Doctoral School.
7. The staffing of the courses offered by the Doctoral School shall be recommended by the Director of the Doctoral School and approved by the Doctoral School Council.
8. A doctoral student may raise objections to the Rector with respect to the semester review referred to in Art. 10.5.4 hereof. Any such objections shall be submitted in writing within seven days of receiving the result of the review. While raising objections, doctoral students shall be obliged to indicate which sections of the disputed review they disagree with and why.
9. The Rector shall investigate the objections upon receiving the opinion of the Director. The Director shall express his/her position on the matter within no more than 14 days of the date of becoming aware of the doctoral student’s objections. The above procedure shall apply accordingly in the event that a doctoral student raises objections to the decisions of the Director of the Doctoral School in matters relating to the completion of a semester.

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1. The Council of the Doctoral School and its individual members are appointed and dismissed by the Rector.
2. The Doctoral School Council shall comprise:
   1) the Director of the Doctoral School as the Chairperson,
   2) Deputy Director of the Doctoral School (if appointed),
   3) a representative of each Institute appointed by the Rector following consultation with the Director of the Institute,
   4) representatives of foreign universities or research institutions invited by the Rector,
   5) a representative of doctoral students, appointed by the doctoral student self-government.
   6) other persons appointed by the Rector.
3. The Chairman of the Council of the Doctoral School shall be replaced by a person designated by him from among the members of the Council, or in the absence of such designation, by a person designated by the Rector from among the members of the Council.
4. The Council of the Doctoral School shall take decisions or express its position in the form of resolutions. Resolutions of the Council shall be adopted by a simple majority of votes of persons participating in the voting. In the event of an equal number of votes for and against, the person chairing the Council meeting at which the vote is taken shall have the casting vote.
5. The Council of the Doctoral School may adopt rules of procedure of the Council of the Doctoral School, specifying detailed rules for the holding of its meetings.
6. The responsibilities of the Doctoral School Council shall include the following:
   1) reviewing the draft curriculum of the Doctoral School and any changes thereto,
   2) preparing the draft rules and regulations of the Doctoral School and recommending any changes thereto,
   3) approving the staffing of courses provided by the Doctoral School,
   4) preparing the draft terms of admission to the Doctoral School,
   5) reviewing the individual research plans of doctoral students,
   6) suggesting the composition of a committee for the mid-term assessment of the execution of individual research plans for doctoral students,
   7) issuing opinions on matters concerning the admissions procedure and the education of doctoral students, submitted by the Rector or the Academic Advancement Board,
   8) interim evaluation of the quality of education at the Doctoral School,
   9) any other duties as provided for in the laws in force and the University Statutes.
7. The Doctoral School Council shall participate in the drafting of the University's development strategy with respect to the education of doctoral students.

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to the Regulations of the Doctoral School
of the Poznań University of Economics and Business (PUEB)

Principles of conducting a mid-term assessment at the Doctoral School of the PUEB

Article 1

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1) A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.
2) The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school or a person referred to in Article 190(5) of the Act. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.
3) During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual research plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.
4) As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be effectively delivered within 14 days of

sending it, even if it has not been collected or has been returned with the annotation ‘unknown addressee’, ‘addressee moved out’ or the like.

Article 2

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes ‘for’ and ‘against’, the casting vote is that of the chairman of the committee;
2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

The admission committee (competition panel) is appointed each time before the start of admissions by the PUEB Rector. The panel consists of representatives of each of the 9 PUEB Institutes, the Doctoral School Director (as the chairman) and the deputy director.
When selecting the members of the committee, the rector takes into account:

- representing the discipline of economics and finance or management and quality studies,
- publication achievements, grants,
- experience in educating and promoting doctoral students
- fluency in English.

Resolution No. 21/2019

Rector of the Poznań University of Economics and Business

dated May 21, 2019

on the appointment of a Competition Panel to carry out the competition (admission) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2019/2020

Acting on the basis of Article 23 paragraph 1, Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 and Resolution No. 85 (2018/2019) of the Senate of the Poznań University of Economics and Business dated April 26, 2019, I decide as follows:

§ 1

1. I appoint a Competition Panel to conduct the competition (admission) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2019/2020 with the following composition:

chairman: prof. dr hab. Tadeusz Kowalski, prof. zw. UEP
members: dr hab. Katarzyna Szarzec, prof. nadzw. UEP (deputy chairman)
dr hab. Sylwester Białowąs, prof. nadzw. UEP
dr hab. Barbara Borusiak, prof. nadzw. UEP
prof. dr hab. Małgorzata Doman, prof. zw. UEP
dr hab. inż. Daniela Gwiazdowska, prof. nadzw. UEP
dr hab. Paweł Marszałek, prof. nadzw. UEP
dr hab. Beata Stępień, prof. nadzw. UEP.

2. The Competition Panel will conduct the recruitment proceedings in accordance with the schedule set forth in Resolution No. 85 (2018/2019) of the Senate of the Poznań University of Economics and Business, dated April 26, 2019, and in accordance with the "Terms and Conditions of Recruitment to the Doctoral School Conducted at the Poznań University of Economics and Business," constituting an annex to this resolution.
3. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In the case of an equal number of votes "for" and "against", the chairman's vote is decisive.
4. On behalf of the Competition Panel, decisions and other statements addressed to candidates are signed by the chairman of the committee or - in his place - the deputy chairman.
5. No more than 30 candidates may be accepted for the doctoral training cycle starting in the 2019/2020 academic year.

§ 2

This Resolution shall take effect as of the date of publication.

R E C T O R

(prof. dr hab. Maciej Żukowski, prof. zw. UEP)

Resolution No. 42/2020

Rector of the Poznań University of Economics and Business

dated June 16, 2020

on the appointment of a Competition Panel to conduct the competition (admission) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2020/2021

Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2020, item 85, as amended) and Resolution No. 69 (2019/2020) of the Senate of the Poznań University of Economics and Business of January 24, 2020, I order as follows:

§ 1

1. I appoint a Competition Panel to conduct the competitive (admission) proceedings for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2020/2021 with the following composition:

chairman:	prof. dr hab. Tadeusz Kowalski,
deputy chairman:	dr hab. Katarzyna Szarzec, prof. UEP
members:	prof. dr hab. inż. Alina Matuszak-Flejszman
	prof. dr hab. Beata Stępień
	dr hab. Barbara Borusiak, prof. UEP
	dr hab. Helena Gaspars-Wieloch, prof. UEP
	dr hab. inż. Daniela Gwiazdowska, prof. UEP
	dr hab. Tomasz Jewartowski, prof. UEP
	dr hab. Maciej Ławrynowicz, prof. UEP
	dr hab. Paweł Marszałek, prof. UEP.

2. The Committee will conduct the admissions process in accordance with the schedule set forth in Resolution No. 69 (2019/2020) of the Senate of the Poznań University of Economics and Business of January 24, 2020, and in accordance with the "Principles of Recruitment to the Doctoral School conducted at the Poznań University of Economics and Business" attached to the Resolution.
3. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In the case of an equal number of votes "for" and "against", the chairman's vote is decisive.
4. On behalf of the Competition Panel, decisions and other statements addressed to candidates are signed by the chairman of the committee or, in his place, the deputy chairman.
5. No more than 30 candidates may be accepted for the doctoral training cycle starting in the 2020/2021 academic year.

§ 2

The Ordinance comes into force from the date of publication.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Ordinance No. 43/2021
Rector of the Poznań University of Economics and Business
dated May 21, 2021

on the appointment of a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2021/2022

Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2021, item 478, as amended) and Resolution No. 47 (2020/2021) of the Senate of the Poznań University of Economics and Business of December 18, 2020, I order as follows:

§ 1

1. I appoint a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2021/2022 with the following composition:

Chairman: dr hab. Katarzyna Szarzec, prof. UEP
Members: prof. dr. Tadeusz Kowalski (deputy chairman)
dr hab. Barbara Borusiak, prof. UEP
dr hab. Helena-Gaspars-Wieloch, prof. UEP
dr hab. inż. Daniela Gwiazdowska, prof. UEP
dr hab. Tomasz Jewartowski, prof. UEP
dr hab. Maciej Ławrynowicz, prof. UEP
dr hab. Paweł Marszałek, prof. UEP
prof. dr hab. inż. Alina Matuszak-Flejszman
prof. dr hab. Beata Stępień.

2. The Panel will conduct the recruitment proceedings in accordance with the schedule set forth in Resolution No. 47 (2020/2021) of the Senate of the Poznań University of Economics and Business dated December 18, 2020, and in accordance with the "Rules for Recruitment to the Doctoral School Conducted at the Poznań University of Economics and Business" attached to the Resolution.
3. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In the case of an equal number of votes "for" and "against", the chairman's vote is decisive.
4. On behalf of the Competition Panel, decisions and other statements addressed to candidates are signed by the chairman of the Panel or, in his stead, the deputy chairman.
5. For the doctoral training cycle starting in the academic year 2021/2022, no more than 20 candidates may be admitted.

§ 2

The Ordinance comes into force from the date of publication.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Order No. 48/2022
Rector of the Poznań University of Economics and Business
dated June 24, 2022
on changing the personal composition of the Competition Panel for conducting the competition proceedings (recruitment) to the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2022/2023 established by the Order No. 30/2022 of the Rector of PUEB dated April 20, 2022

Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2022, item 574, as amended) and Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics and Business of January 28, 2022,
I order as follows:

§ 1

The composition of the Competition Panel for conducting the competition (recruitment) proceedings for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2022/2023 is changed in such a way that
dr hab. Maciej Ławrynowicz, Prof. UEP, is appointed to its composition in place of dr hab. Dominik Buttler, Prof. UEP.

§ 2

In connection with the change referred to in § 1, the Competition Panel for the competitive (recruitment) procedure for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle beginning in the academic year 2022/2023 shall act in the following composition:

chairman:	dr hab. Katarzyna Szarzec, prof. UEP
deputy chairman:	dr hab. Tomasz Jewartowski, prof. UEP
members:	dr hab. Barbara Borusiak, prof. UEP
	dr hab. Helena Gaspars-Wieloch, prof. UEP
	dr hab. inż. Daniela Gwiazdowska, prof.UEP
	dr hab. Maciej Ławrynowicz, prof. UEP
	dr hab. Paweł Marszałek, prof. UEP
	prof. dr hab. inż. Alina Matuszak-Flejszman
	prof. dr hab. Beata Stępień.

§ 3

The remainder of Order No. 30/2022 of the Rector of PUEB dated April 20, 2022 remains unchanged.

§ 4

The Order enters into force from the date of publication.

RECTOR

(prof. dr hab. Maciej Żukowski)

Order No. 30/2022
Rector of the University of Economics in Poznan
dated April 20, 2022

on the appointment of a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2022/2023

1. Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2022, item 574, as amended) and Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics and Business of January 28, 2022, I order as follows:

§ 1

1. I appoint a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2022/2023 with the following composition:

Chairwoman:	dr hab. Katarzyna Szarzec, prof. UEP
deputy Chairwoman:	dr hab. Tomasz Jewartowski, prof. UEP
members:	dr hab. Barbara Borusiak, prof. UEP
	dr hab. Dominik Buttler, prof. UEP
	dr hab. Helena Gaspars-Wieloch, prof. UEP
	dr hab. inż. Daniela Gwiazdowska, prof. UEP
	dr hab. Paweł Marszałek, prof. UEP
	prof. dr hab. inż. Alina Matuszak-Flejszman
	prof. dr hab. Beata Stępień.

2. The Panel will conduct the recruitment proceedings in accordance with the schedule set forth in Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics and Business dated January 28, 2022, and in accordance with the "Principles of Recruitment to the Doctoral School Conducted at the Poznań University of Economics and Business" attached to this resolution.
3. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In case of an equal number of votes "for" and "against", the chairman's vote is decisive.
4. On behalf of the Competition Panel, decisions and other statements addressed to candidates are signed by the committee chairwoman or, in her stead, by the deputy chairwoman.
5. No more than 25 candidates may be accepted for the doctoral training cycle starting in the 2022/2023 academic year.

§ 2

The Ordinance comes into force from the date of publication.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Order No. 15/2023
Rector of the Poznań University of Economics and Business
dated March 28, 2023

on the appointment of a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2023/2024

Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2022, item 574, as amended), the Appendix to Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics and Business of January 28, 2022, and Resolution No. 13 (2022/2023) of the Senate of the Poznań University of Economics and Business of January 27, 2023, I order as follows:

§ 1

1. I appoint a Competition Panel to conduct the competitive (recruitment) proceedings for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2023/2024 with the following composition:

chariwoman: dr hab. Katarzyna Szarzec, prof. UEP
members: dr hab. Tomasz Jewartowski, prof. UEP (deputy chairwoman)
dr hab. Helena Gaspars-Wieloch, prof. UEP
dr hab. inż. Daniela Gwiazdowska, prof. UEP
dr hab. Paweł Marszałek, prof. UEP
prof. dr hab. inż. Alina Matuszak-Flejszman
dr hab. Piotr Michoń, prof. UEP
dr hab. Magdalena Stefańska, prof. UEP
prof. dr hab. Beata Stępień.

2. The Panel will conduct the recruitment proceedings in accordance with the schedule set forth
3. in Resolution No. 13 (2022/2023) of the Senate of the Poznań University of Economics and Business dated January 27, 2023, and in accordance with the “Rules of Recruitment to the Doctoral School conducted at the Poznań University of Economics and Business” attached to Resolution No. 16 (2021/2022) of the Senate of the Poznań University of Economics dated January 28, 2022.
4. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In the case of an equal number of votes “for” and “against”, the chairman's vote is decisive.
5. On behalf of the Competition Panel, decisions and other statements addressed to candidates shall be signed by the chairperson of the panel or, in her stead, by the deputy chairperson.
6. No more than 25 candidates may be admitted to the doctoral training cycle starting in the academic year 2023/2024.

§ 2

This Resolution shall take effect as of the date of publication.

RECTOR

(prof. dr hab. Maciej Żukowski)

Resolution No. 22/2024
Rector of the University of Economics in Poznan
dated April 4, 2024

on the appointment of a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2024/2025

Acting on the basis of Article 23 paragraph 1 and Article 200 paragraph 3 of the Law on Higher Education and Science of July 20, 2018 (i.e., Journal of Laws of 2023, item 742, as amended) and the Appendix to Resolution No. 17 (2023/2024) of the Senate of the Poznań University of Economics and Business of December 15, 2023, I order as follows:

§ 1

1. I appoint a Competition Panel to conduct the competition (recruitment) for the Doctoral School conducted at the Poznań University of Economics and Business for the training cycle starting in the academic year 2024/2025, with the following composition:

chariwoman: dr hab. Katarzyna Szarzec, prof. UEP
members: dr hab. Tomasz Jewartowski, prof. UEP (deputy chairwoman)
dr hab. Barbara Borusiak, prof. UEP
dr hab. Helena Gaspars-Wieloch, prof. UEP
dr hab. Paweł Marszałek, prof. UEP
dr hab. Piotr Michoń, prof. UEP
prof. dr hab. Ewa Sikorska
dr hab. Magdalena Stefańska, prof. UEP
prof. dr hab. Beata Stępień.

2. The Panel will conduct the recruitment procedure in accordance with the rules and schedule set forth in Resolution No. 17 (2023/2024) of the Senate of the Poznań University of Economics and Business dated December 15, 2023.
3. Decisions of the Competition Panel are made in the form of resolutions, with a simple majority of votes. In case of an equal number of votes “for” and “against”, the chairman's vote is decisive.
4. On behalf of the Competition Panel, decisions and other statements addressed to candidates are signed by the Panel chairwoman or, in her stead, by the deputy chairwoman.
5. For the doctoral training cycle starting in the 2024/2025 academic year, no more than 20 candidates may be admitted, with the possibility of increasing the number of candidates to a maximum of 25 if more than one candidate receives the same number of points while meeting the eligibility criteria.

§ 2

This Resolution shall take effect as of the date of publication.

RECTOR

(prof. dr hab. Maciej Żukowski)

Annex 1
to the Regulations of the Doctoral School
of the Poznań University of Economics and Business (PUEB)

Principles of conducting a mid-term assessment at the Doctoral School of the PUEB

Article 1

Activities during a mid-term assessment:

1) A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.
2) The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school or a person referred to in Article 190(5) of the Act. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.
3) During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual research plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.
4) As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be effectively delivered within 14 days of

sending it, even if it has not been collected or has been returned with the annotation ‘unknown addressee’, ‘addressee moved out’ or the like.

Article 2

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes ‘for’ and ‘against’, the casting vote is that of the chairman of the committee;
2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

Announcement no. 21/2021
of the Rector of Poznań University of Economics and Business
of 30 April 2021

on appointing the committees for the mid-term assessment of doctoral students who began their education at the Doctoral School at the Poznań University of Economics and Business in the academic year 2019/2020

I kindly inform you that the Poznań University of Economics and Business appointed committees for the mid-term assessment for PhD students who started their education at the Doctoral School of the Poznań University of Economics and Business in the academic year 2019/2020, in the following compositions:

1) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Marcin Antoniak:
   chairperson: dr hab. Agnieszka Sapa, prof. UEP
   members: dr hab. Sylwester Białowąs, prof. UEP
   prof. dr hab. Anna Dąbrowska – Warsaw School of Economics;
2) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Alexandre Barboukov:
   chairperson: prof. dr hab. Beata Stępień
   members: dr hab. Justyna Światowiec-Szczepańska, prof. UEP
   dr hab. Lidia Danik, prof. SGH – Warsaw School of Economics;
3) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Agnieszka Bernardelli:
   chairperson: dr hab. Agnieszka Sapa, prof. UEP
   members: dr hab. Piotr Manikowski, prof. UEP
   dr hab. Marietta Janowicz-Lomott, prof. SGH –Warsaw School of Economics;
4) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Szymon Frąk:
   chairperson: prof. dr hab. inż. Alina Matuszak-Flejszman
   members: prof. dr hab. inż. Ryszard Cierpiszewski
   prof. dr hab. inż. Stanisław Popek – Cracow University of Economics;
5) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Tomasza Kaczmarek:
   chairperson: dr hab. Paweł Marszałek, prof. UEP
   members: dr hab. Jacek Mizerka, prof. UEP
   dr hab. Katarzyna Byrka-Kita, prof. US – The University of Szczecin
6) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Justyna Przybylska:
   chairperson: dr hab. Helena Gaspars-Wieloch, prof. UEP
   members: prof. dr hab. Grażyna Krzyminiewska

dr hab. Cecylia Sadowska-Snarska, prof. PWSIiP – State Higher School of Information Technology and Entrepreneurship in Łomża

7) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Anna Siwiec:
chairperson: dr hab. Tomasz Jewartowski, prof. UEP
members: dr hab. Marta Kluzek, prof. UEP
dr hab. Artur Walasik, prof. UEK – University of Economics in Katowice;

8) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Maciej Słomian:
chairperson: prof. dr hab. inż. Alina Matuszak-Flejszman
members: dr hab. Maja Sajdak
prof. dr hab. Maciej Zastempowski – Nicolaus Copernicus University in Toruń;

9) A committee to conduct a mid-term assessment on the implementation of the individual research plan of Witold Tritt:
chairperson: dr hab. Barbara Borusiak, prof. UEP
members: prof. dr hab. Aldona Andrzejczak
prof. dr hab. Maja Szymura-Tyc – University of Economics in Katowice.

At the same time, I inform that:

1) decisions of the commission are made in the form of resolutions, in an open manner and by simple majority; in the case of an equal number of votes “for” and “against”, the vote of the chairman of the commission is decisive;
2) the meeting of the mid-term assessment committee may be held outside the seat of UEP with the use of electronic communication means that meet the requirements under the applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

I further notify that:

1) The mid-term assessment shall be conducted in September 2021; a doctoral student may request a mid-term assessment earlier, provided that the supeprvisor agrees to such earlier evaluation;
2) In the course of the mid-term assessment, the committee examines the documents of the doctoral student's educational course, in particular, in terms of the implementation of the

individual research plan, including: semester reports of the doctoral student approved by the supervisor, a summary of grades, minutes of scientific meetings in the department/institute where the doctoral student presented his research, the individual research plan with any modifications, confirmed participation in scientific conferences with a paper, scientific articles, chapters of the doctoral dissertation;

3) as part of the mid-term assessment, the committee conducts an interview with the doctoral student; during this interview, the doctoral student presents his or her achievements to date (no longer than 15 minutes), and then the committee interviews him or her about the dissertation in preparation and the implementation of the IPB;
4) notification of the date of the mid-term assessment interview shall be sent to the doctoral student by registered mail and to the university's e-mail address 21 days in advance; mail sent to the address indicated by the doctoral student for correspondence shall be considered effectively delivered despite failure to receive it.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Announcement no. 14/2022
of the Rector of Poznań University of Economics and Business
of 27 April 2022

on appointing the committees for the mid-term assessment of doctoral students who began their education at the Doctoral School at Poznań University of Economics and Business in the academic year 2020/2021

I kindly inform you that the University of Economics and Business in Poznan appointed committees for the mid-term assessment for PhD students who started their education at the Doctoral School of the University of Economics and Business in Poznan in the academic year 2020/2021, in the following compositions:

1) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Adeel Ali Qureshi:
   chairperson: dr hab. Marta Kluzek, prof. UEP
   members: prof. dr hab. Barbara Będowska-Sójka
   dr hab. Tomasz Wiśniewski, prof. US - University of Szczecin;

2) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Cezary Brudka:
   chairperson: dr hab. Barbara Borusiak, prof. UEP
   members: dr hab. Waldemar Budner, prof. UEP
   prof. dr hab. Tomasz Żylicz – University of Warsaw;

3) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Katarzyna Czerniewicz:
   chairperson: prof. dr hab. inż. Ryszard Cierpiszewski
   members: dr hab. inż. Anna Lewandowska, prof. UEP
   dr hab. inż. Aleksandra Wilczyńska, prof. UMG - Gdynia Maritime University;

4) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Dariusz Grupa:
   chairperson: dr hab. Ida Musiałkowska, prof. UEP
   members: dr hab. Cezary Kochalski, prof. UEP
   dr hab. Marek A. Dąbrowski, prof. UEK - Cracow University of Economics;

5) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Michał Hebdzyński:
   chairperson: dr hab. Helena Gaspars-Wieloch, prof. UEP
   members: dr hab. Piotr Lis, prof. UEP
   dr hab. Jacek Łaszek, prof. SGH - Warsaw School of Economics;

6) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Kishokanth Jeganathan:
   chairperson: prof. dr hab. inż. Krzysztof Walczak
   members: dr hab. Sylwester Białowąs, prof. UEP
   prof. dr hab. Ewa Frąckiewicz - University of Szczecin;

7) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Paweł Kropiński:
   chairperson: dr hab. Katarzyna Perez, prof. UEP
   members: dr hab. Tomasz Klimanek, prof. UEP
   dr hab. Ewa Roszkowska, prof. PB – Bialystok University of Technology;

8) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Joanna Lemańczyk:
   chairperson: dr hab. Maciej Ławrynowicz, prof. UEP
   members: dr hab. Magdalena Stefańska, prof. UEP
   dr hab. Barbara Kucharska, prof. UEK - University of Economics in Katowice;

9) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Konstantinos Madias:
   chairperson: dr hab. Agnieszka Sapa, prof. UEP
   members: dr hab. Renata Nestorowicz, prof. UEP
   prof. dr hab. Bogusław Fiedor – Wroclaw University of Economics and Business;

10) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mikołaj Nowicki:
   chairperson: dr hab. Paweł Marszałek, prof. UEP
   members: dr hab. Agata Kliber, prof. UEP
   dr hab. Tomasz Słoński, prof. UEW - Wroclaw University of Economics and Business;

11) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Kalina Piwońska:
   chairperson: dr hab. Dominik Buttler, prof. UEP
   members: dr hab. inż. Hanna Pondel, prof. UEP
   dr hab. Karolina Pawlak, prof. UP - Poznań University of Life Sciences;

12) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Levent Soyalp:
   chairperson: prof. dr hab. Beata Stępień
   members: prof. dr hab. Anna Matuszczak
   dr hab. Magdalena Kachniewska, prof. SGH – Warsaw School of Economics;

13) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Julianna Stasicka:
   chairperson: dr hab. inż. Piotr Bartkowiak , prof. UEP
   members: dr hab. Monika Dobska, prof. UEP
   prof. dr hab. Aldona Frączkiewicz-Wronka – University of Economics in Katowice;

14) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Marta Szaban:
chairperson: prof. dr hab. inż. Alina Matuszak-Flejszman
members: dr hab. Robert Romanowski, prof. UEP
dr hab. inż. Joanna Zarębska, prof. UZ - University of Zielona Góra;

15) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Krzysztof Waśko:
chairperson: dr hab. Tomasz Jewartowski, prof. UEP
members: dr hab. Krzysztof Echaust, prof. UEP
dr hab. Robert Ślepaczuk – University of Warsaw;

16) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Anna Wiatr:
chairperson: dr hab. Maja Sajdak, prof. UEP
members: prof. dr hab. Małgorzata Bartosik-Purgat
dr hab. Ilona Świątek-Barylska, prof. UŁ – University of Lodz.

Activities during a mid-term assessment:

1. A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.
2. The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.
3. During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual research plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.
4. As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be effectively delivered within 14 days of sending it, even if it has not been collected or has been returned with the annotation 'unknown addressee', 'addressee moved out' or the like.

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes 'for' and 'against', the casting vote is that of the chairman of the committee;
2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Announcement no. 9/2023
of the Rector of Poznań University of Economics and Business
of 27th April 2023

on appointing the committees for the mid-term assessment of doctoral students who began their education at the Doctoral School at Poznań University of Economics and Business in the academic year 2021/2022

I kindly inform you that the University of Economics and Business in Poznan appointed committees for the mid-term assessment for PhD students who started their education at the Doctoral School of the University of Economics and Business in Poznan in the academic year 2021/2022, in the following compositions:

1) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Doris Antczak:
   chairperson: dr hab. Iwona Olejnik, prof. UEP
   members: dr hab. Anna Łupicka-Fietz, prof. UEP
   dr hab. Dariusz Tłoczyński, prof. UG – University of Gdańsk

2) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Michał Barszczewski:
   chairperson: dr hab. Dawid Piątek, prof. UEP
   members: dr hab. Wiesław Ciechomski, prof. UEP
   dr hab. Wawrzyniec Czubak prof. UPP – Poznań University of Life Sciences

3) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Joanna Bernacka:
   chairperson: dr hab. Elżbieta Kowalczyk prof. UEP
   members: dr hab. Agnieszka Ziomek, prof. UEP
   dr hab. Anna Cierniak-Emerych, prof. UEW – Wroclaw University of Economics and Business

4) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Dawid Cherubin:
   chairperson: prof. dr hab. Przemysław Deszczyński
   members: dr hab. Ewa Mińska-Struzik, prof. UEP
   prof. dr hab. Ewa Lechman – Gdańsk University of Technology

5) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Rafał Czarnecki:
   chairperson: dr hab. Milena Ratajczak-Mrozek, prof. UEP
   members: dr hab. Grzegorz Leszczyński, prof. UEP
   prof. dr hab. inż. Agnieszka Zakrzewska-Bielawska – Lodz University of Technology

6) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Marcin Gurtatowski:

chairperson: prof. dr hab. inż. Krzysztof Walczak
members: dr hab. Piotr Zmyślony, prof. UEP
dr hab. Barbara Kucharska, prof. UEK – University of Economics in Katowice

7) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Krzysztof Kiełbowski:
chairperson: dr hab. Agnieszka Sapa, prof. UEP
members: dr hab. Katarzyna Nawrot, prof. UEP
dr hab. Adam Ambroziak, prof. SGH – Warsaw School of Economics

8) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mikołaj Naskręt:
chairperson: dr hab. Ewa Jerzyk, prof. UEP
members: dr hab. Katarzyna Pawlak-Lemańska, prof. UEP
dr. hab. Aleksandra Grzesiuk, prof. ZUT Szczecin – West Pomeranian University of Technology in Szczecin

9) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Patrycja Nowak:
chairperson: prof. dr hab. Grażyna Krzyminiewska
members: dr hab. Beata Skowron-Mielnik, prof. UEP
dr hab. Marzena Stor, prof. UEW – Wroclaw University of Economics and Business

10) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mateusz Passek:
chairperson: dr hab. Magdalena Stefańska, prof. UEP
members: dr hab. Anna Maryniak, prof. UEP
prof. dr hab. inż. Jacek Szołtysek – University of Economics in Katowice

11) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Wiktoria Rakowska:
chairperson: dr hab. Halina Zboroń, prof. UEP
members: dr hab. Jan Polowczyk, prof. UEP
prof. dr hab. Iga Rudawska – University of Szczecin

12) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mateusz Skwarek:
chairperson: dr hab. Paweł Marszałek, prof. UEP
members: prof. dr hab. Barbara Będowska-Sójka
dr hab. dr hab. Tomasz Miziołek, prof. UŁ – University of Lodz

13) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Zakaria Talouni:
chairperson: dr hab. Michał Kałdoński, prof. UEP
members: dr hab. Szymon Truskolaski, prof. UEP
prof. dr hab. Krzysztof Wach – Cracow University of Economics

14) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Monika Wesołowska:
chairperson: dr hab. Piotr Michoń, prof. UEP
members: dr hab. Marcin Szymkowiak, prof. UEP
dr hab. Michał Brzeziński, prof. UW – University of Warsaw

15) a committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Anna Ziętek:
chairperson: dr hab. Beata Woźniak Jęchorek, prof. UEP
members: dr hab. Kamila Malewska, prof. UEP
dr hab. Tomasz Ingram, prof. UEK – University of Economics in Katowice

Activities during a mid-term assessment:

1. A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.
2. The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.
3. During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual research plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.
4. As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be effectively delivered within 14 days of sending it, even if it has not been collected or has been returned with the annotation 'unknown addressee', 'addressee moved out' or the like.

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes 'for' and 'against', the casting vote is that of the chairman of the committee;

2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

RECTOR

(prof. dr hab. Maciej Żukowski)

Announcement no. 6/2024
of the Rector of Poznań University of Economics and Business
of 5 April 2024

on appointing the committees for the mid-term assessment of doctoral students who began their education at the Doctoral School at the Poznań University of Economics and Business in the academic year 2022/2023

I kindly inform you that the Poznań University of Economics and Business appointed committees for the mid-term assessment for PhD students who started their education at the Doctoral School of the Poznań University of Economics and Business in the academic year 2022/2023, in the following compositions:

1) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mateusz Byczyk:
   chairperson: dr hab. Maciej Ławrynowicz, prof. UEP
   members: dr hab. Kamila Malewska, prof. UEP
   prof. dr hab. Czesław Zając, Wrocław University of Economics;

2) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Wojciech Dopieralski:
   chairperson: dr hab. Piotr Zmyślony, prof. UEP
   members: dr hab. Marcin Anholcer, prof. UEP
   dr hab. inż. Przemysław Niewiadomski, prof. UPP – Poznań University of Life Sciences;

3) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mohamed Mahmoud:
   chairperson: dr hab. Sylwester Białowąs, prof. UEP
   members: dr hab. Sławomir Palicki
   prof. dr hab. Aleksander Panasiuk - Jagiellonian University in Krakow;

4) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Marceli Hązła
   chairperson: dr hab. Agnieszka Poczta-Wajda, prof. UEP
   members: dr hab. Piotr Trąpczyński, prof. UEP
   dr hab. Andżelika-Kuźnar, prof. SGH - Warsaw School of Economics;

5) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Maria Iwińska:
   chairperson: dr hab. Marcin Gołembski
   members: dr hab. Tomasz Wanat, prof. UEP
   dr hab. Jarosław Waśniewski, prof. UG - University of Gdańsk;

6) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Sergii Iaromienko:
   chairperson: dr hab. Justyna Majewska, prof. UEP
   members: dr hab. Anna Zielińska-Chmielewska, prof. UEP
   dr hab. Katarzyna Czernek-Marszałek, prof. UEK - Katowice University of Economics;

7) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Dominik Kuryk:
   chairperson: dr hab. Ida Musiałkowska, prof. UEP
   members: dr hab. Maciej Cieślukowski, prof. UEP
   dr hab. Jacek Pietrucha, prof. UEK – Katowice University of Economics;

8) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Hanna Łobejko:
   chairperson: prof. dr hab. Aleksandra Gaweł
   members: dr hab. Agnieszka Ziomek, prof. UEP
   dr. hab. Magdalena Kachniewska, prof. SGH - Warsaw School of Economics;

9) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Sylwia Majcher:
   chairperson: dr hab. inż. Daniela Gwiazdowska, prof. UEP
   members: dr hab. inż. Bogdan Pachołek
   dr hab. Paweł Bryła, prof. UŁ – University of Łódź;

10) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Zuzanna Maleszewska:
   chairperson: dr hab. Ewa Mińska-Struzik, prof. UEP
   members: dr hab. Beata Skowron-Mielnik, prof. UEP
   dr hab. Agnieszka Głodowska, prof. UEKr – Kraków University of Economics;

11) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mateusz Piotrowski:
   chairperson: dr hab. Anna Iwańczuk-Kaliska, prof. UEP
   members: dr hab. Dawid Szutowski, prof. UEP
   dr hab. Katarzyna Byrka-Kita, prof. USz - University of Szczecin;

12) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Izabela Przygocka:
   chairperson: dr hab. Iwona Olejnik, prof. UEP
   members: dr hab. Anna Wach, prof. UEP
   dr hab. Magdalena Rojek-Nowosielska, prof. UEW - Wrocław University of Economics;

13) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Magdalena Stępniak:
chairperson: dr hab. Dawid Piątek, prof. UEP
members: dr hab. Arkadiusz Bernal, prof. UEP
dr hab. Anna Białek-Jaworska – University of Warsaw;

14) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Mateusz Wyrembek:
chairperson: dr hab. Marcin Szymkowiak, prof. UEP
members: dr hab. inż. Magdalena Ankiel, prof. UEP
prof. dr hab. Jarosław Witkowski – Wrocław University of Economics;

15) A committee to conduct a mid-term assessment on the implementation of the individual research plan of mgr Emilia Zembrzuska :
chairperson: dr hab. Zygmunt Waśkowski, prof. UEP
members: dr hab. Milena Ratajczak-Mrozek, prof. UEP
dr hab. Katarzyna Bilińska-Reformat, prof. UEK – Katowice University of Economics.

Activities during a mid-term assessment:

1. A mid-term assessment is carried out in the middle of an academic term; a doctoral student may submit an application for an earlier mid-term assessment provided that the supervisor agrees to such an earlier assessment.
2. The composition of the mid-term assessment committees (hereinafter referred to as 'mid-term assessment committees') is proposed by the Director of the Doctoral School and approved by the Rector of the PUEB, and then published in the form of an announcement. A mid-term assessment committee consists of three persons, including at least one person with a post-doctoral degree (habilitated doctor) or the title of professor in the discipline in which a doctoral dissertation is being prepared, employed outside the entity running the doctoral school. The supervisor and the assistant supervisor cannot be members of the mid-term assessment committee.
3. During the mid-term assessment, the commission examines documents concerning a doctoral student's education, particularly in terms of the implementation of an individual research plan, including: a report on the implementation of the individual research plan signed by the doctoral student and assessed by the supervisor; the individual research plan with possible modifications; semester reports of the doctoral student assessed by the supervisor; a summary of grades; minutes of scientific meetings at the department/institute, where the doctoral student presented their research; confirmed participation in scientific conferences and speeches; scientific articles; chapters of the doctoral dissertation; and information on internships and received scholarships.
4. As part of the mid-term assessment, the mid-term assessment committee interviews the doctoral student. During the interview, the doctoral student presents their achievements to date (no longer than 15 minutes), and then the committee discusses the doctoral dissertation being prepared and the implementation of the individual research plan. Notification of the date of the interview with the doctoral student is sent to the doctoral student by registered mail and to the university e-mail address at least 21 days before the interview; the notification sent to the address indicated by the doctoral student for correspondence is considered to be

effectively delivered within 14 days of sending it, even if it has not been collected or has been returned with the annotation ‘unknown addressee’, ‘addressee moved out’ or the like.

Principles of the work of the mid-term assessment committee:

1) decisions of the committees are made in the form of resolutions, openly and by a simple majority of votes; in the event of an equal number of votes ‘for’ and ‘against’, the casting vote is that of the chairman of the committee;
2) the meeting of the mid-term assessment committee may take place outside the seat of the PUEB using electronic means of communication that meet the requirements of applicable regulations;
3) a report is drawn up of the meeting of the mid-term assessment committee;
4) resolutions adopted by the mid-term assessment committee by means of electronic communication are signed by the chairman of the committee; the chairman also signs the minutes and other documents produced by the mid-term assessment committee by electronic means of communication;
5) the result of the assessment with justification is public; the doctoral student is notified of the result of the mid-term assessment in writing by a registered mail;
6) in the event of a negative result of the mid-term assessment, the doctoral student shall be removed from the list of doctoral students.

R E C T O R

(prof. dr hab. Maciej Żukowski)

Announcement No. 7/2024

Rector of the Poznań University of Economics and Business dated April 22, 2024

On changing the composition of the mid-term assessment **committee for doctoral students who began their education at the Doctoral School conducted at the Poznań University of Economics and Business in the academic year 2022/2023**

I would like to kindly inform you that the composition of the commission for the mid-term assessment committee of the implementation of the individual research plan of Sylwia Majcher, M.Sc., appointed by Announcement No. 6/2024 of the Rector of the PUEB dated April 5, 2024 on the appointment of the commission for the mid-term assessment committee for doctoral students who began their education at the Doctoral School conducted at the Poznań University of Economics and Business in the academic year 2022/2023, has been changed.

In view of the above, point 9 of the above-mentioned Announcement is replaced by the following:

"9. Commission to conduct a mid-term assessment committee on the implementation of the individual research plan of Sylwia Majcher, M.Sc:

chairman: dr hab. inż. Daniela Gwiazdowska, prof. UEP

members: dr hab. inż. Bogdan Pachołek, prof. UEP

prof. dr hab. Anna Dąbrowska – Warsaw School of Economics".

The remainder of Announcement No. 6/2024 of the Rector of PUEB remains unchanged.

RECTOR

(prof. dr hab. Maciej Żukowski)

UNIWERSYTET
EKONOMICZNY
W POZNANIU

Poznań, dnia 18 lutego 2025 roku

PEŁNOMOCNICTWO

nr 8/2025

Niniejszym udzielam pełnomocnictwa Panu **dr. hab. Marcinowi Anholcerowi, prof. UEP** – Prorektorowi do spraw Nauki Uniwersytetu Ekonomicznego w Poznaniu (UEP) – do podpisywania w imieniu UEP dokumentów oraz składania w imieniu UEP oświadczeń wiedzy i woli dotyczących ewaluacji jakości kształcenia Szkoły Doktorskiej UEP.

Niniejsze pełnomocnictwo zostaje udzielone od dnia 18 lutego 2025 roku na czas sprawowania przez dr. hab. Marcina Anholcera, prof. UEP funkcji Prorektora do spraw Nauki. Pełnomocnictwo może być odwołane w każdym czasie.

REKTOR

(prof. dr hab. Barbara Jankowska)

Rektor
Uniwersytetu Ekonomicznego
w Poznaniu
al. Niepodległości 10,
61-875 Poznań
tel. 61 856 91-50,
rektor@ue.poznan.pl

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The Evaluation System of Doctoral Schools
is financed by the Ministry of Science