

**Education Programme
in Earth and environmental sciences
in the discipline of Earth and related environmental sciences
conducted in Polish
at the Doctoral School of Exact
and Natural Sciences**

**I
General provisions**

1. The education programme in Earth and environmental sciences has been developed according to the Act of 20 July 2018 on Law on Higher Education and Science and the guidelines in force at the Jagiellonian University in Kraków.
2. The education programme leads to achieving learning outcomes for the qualifications at Level 8 of the Polish Qualification Framework (PQF).
3. The education programme lasts 8 semesters.
4. Polish is a medium of instruction of the programme. Courses can also be taught in English.
5. Detailed requirements and eligibility criteria for admission to the programme are defined in the admission terms and conditions as approved by the Jagiellonian University Senate.
6. Within 12 months of the commencement of the programme, a doctoral student shall submit an Individual Research Plan (IRP) to the education programme coordinator for their opinion and submission to the Director of the Doctoral School.
7. A doctoral student is required to achieve a minimum of 40 ECTS credits (ECTS – European Credit Transfer and Accumulation System) allocated to the Earth and environmental sciences education programme and to attain all the required learning outcomes as specified at the Level 8 of the Polish Qualification Framework. A minimum of 8 ECTS shall be obtained in each year. If a doctoral student has realised a credit excess in previous years, he or she is required to obtain the number of credits corresponding to the difference between the 8 ECTS and the excess obtained.
8. Detailed instruction for achieving and assessing learning outcomes shall be specified in the syllabuses of the individual courses.

**II
Professional traineeship**

1. Professional traineeship shall take the form of teaching or co-teaching classes.
2. In agreement with and at the application of the doctoral student, the programme coordinator may accept other forms of professional traineeship, including didactic traineeship, such as conducting classes promoting science, provided that such a form ensures achieving all the learning outcomes allocated to professional traineeship.

3. The number of hours of professional traineeship shall not exceed 60 teaching hours (a teaching hour equals 45-minutes) per one academic year.

III

Study and research progress assessment

1. The supervisor(s), in cooperation with the programme coordinator and the Director of the Doctoral School, shall supervise implementing the education programme and the Individual Research Plan of the doctoral student.
2. Annually, but no later than by 17th September, a doctoral student shall submit to the programme coordinator a written report on the implementation of the Individual Research Plan, reviewed by the supervisor(s) and the auxiliary supervisor.
3. The programme coordinator shall assess the degree of implementing the study and research work based on the information from the doctoral student as defined in Point 2, and a report from the University Study-Oriented System (USOS).
4. Changes to the Individual Research Plan, in particular modifying or rescheduling the doctoral student's duties, shall require consulting the programme coordinator.
5. The programme coordinator may decide to reschedule the doctoral student's duties resulting from the education programme and to accept courses or activities not specified in the education programme as part of the performance of the duties (with the relevant allocation of ECTS credits), provided that no changes to the Individual Research Plan are needed.
6. When additional funding is available or in well justified cases, the programme coordinator, in consultation with School representatives of the Jagiellonian University PhD Student Association and the Director of the Doctoral School, may oblige doctoral students to take courses not specified in the education programme.
7. By the end of the 24th month of education, a doctoral student shall be subject to mid-term assessment before the assessment committee appointed by the Director of the Doctoral School.
8. The date of the mid-term assessment is established by the Director of the Doctoral School on the proposal of the programme coordinator.
9. One month before the scheduled meeting of the mid-term assessment committee, the doctoral student shall submit to the programme coordinator a written report on the implementation of the Individual Research Plan. The report has to be approved by the supervisor(s) and the auxiliary supervisor before submission.

IV

Schedule

SCHEDULE FOR THE EDUCATION PROGRAMME IN EARTH AND ENVIRONMENTAL SCIENCES

DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES EDUCATION PROGRAMME IN EARTH AND ENVIRONMENTAL SCIENCES						
Item Obligatory/Elective	Aim	Description	PQF*/ PRK	Se mes ter	No of ECT S	No of hours
A. SEMINAR						
A1. Doctoral seminar I (O)		Determining progress in the preparation of the doctoral dissertation. Assessment: credit . [Obligatory module, presentation of a paper and participation in a discussion at an open scientific seminar on the subject of "The state of research in the field of the doctoral dissertation."	P8U_W P8U_U P8_K	I-II	2	10
A2. Doctoral seminar II (O)		Determining progress in the preparation of the doctoral dissertation. Assessment: credit . [Obligatory module, presentation of a paper and participation in a discussion at an open scientific seminar on the subject of "Purpose, scope and methodology of the planned dissertation against achievements in the field."	P8U_W P8U_U P8_K	III- IV	2	10
A3. Doctoral seminar III (O)		Determining progress in the preparation of the doctoral dissertation. Assessment: credit . [Obligatory module, presentation of a paper and participation in a discussion at an open scientific seminar on the subject of "Preliminary results of research in the ongoing doctoral dissertation."	P8U_W P8U_U P8_K	V- VI	2	10
B. JOINT ELECTIVE ACTIVITIES FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 6 ECTS)						
B1. Polish for foreigners (E)		Polish for foreigners. Assessment: examination	P8U_UU	I-IV	4	60
B2. Second foreign language (E)		Foreign language. Assessment: examination	P8U_UU	I-IV	4	60

B3. Soft skills and general knowledge (E)	Lectures (courses) or workshops selected from the list of courses announced before a given academic year. Assessment: credit . [Credit given by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement. 1 ECTS for each 15 hours, maximum of 4 ECTS]	P8U_U P8U_K	I- VIII	4	60
B4. Doctoral School Seminar (E)	A monthly interdisciplinary seminar with English lectures conducted by the Jagiellonian University professors and by invited researchers. Assessment: credit based on participation [Credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement. 1 ECTS per academic year, which amounts to participating in minimum of 6 seminars]	P8S_WG P8S_UW P8S_UK	I- VIII	4	60
C. PERSONAL DEVELOPMENT					
C1. English course (O)	Acquiring language skills in English at C1 level. Assessment: examination [Obligatory module, Credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement.]	P8S_UU	I-II	4	60
C2. Fields of natural and exact sciences research (E)	Exploring current research problems in natural and exact sciences in the world. Assessment: credit . [Participation in lectures / seminars / conferences / courses (including courses at 2nd degree studies at other departments) devoted to current problems and progress of natural and exact sciences. Credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement.]	P8_W	I- VIII	2	30
C3. Methodology workshop (E)	Acquiring the ability to conduct research appropriate for the selected subdiscipline of Earth Sciences. Assessment: credit . [Participation in a methodology course or individual study of research methods under the supervision of a selected faculty member, for about 30 hours, credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on the document / certificate provided]	P8_W P8_U	I- VIII	2	30

C4. Scholarly workshop (E)	Acquiring the skills necessary to prepare research projects and techniques for writing scientific texts. Assessment: credit. [Acquiring the skills necessary to prepare and acquire research projects and techniques for writing scientific texts in the form of selected classes or individual work. Credit granted by the education programme coordinator based on a grant awarded to the PhD student as the manager (NCN, EU funds), OR the publication of a PhD student's article in the journal from the A list of the Ministry of Science and Higher Education, in which he is the first author and correspondent author]	P8_U P8_K	II-VIII	6	30
C5. Competence in the humanities (E)	Developing humanistic competencies. Assessment: credit. [Participation in activities developing humanities interests. Credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement. Examples: philosophy of science, rhetoric, psychology, Japanese culture, Mediterranean archeology]	P8_K	I- VIII	2	30
C6. Personal competencies (E)	Developing personal skills. Assessment: credit. [Participation in activities developing interpersonal competences. Credit granted by the lecturer as provided in the course syllabus, or by the education programme coordinator based on a PhD student's statement. Examples: group psychological workshops, assertiveness training]	P8_K	I- VIII	2	30
C7. PhD internship (E)	Preparation for employment. Assessment: credit. [Internship (minimum of 1 month) in a foreign research center OR in an institution (Polish or foreign) conducting research and development work Credit granted by the education programme coordinator based on a PhD student's statement]	P8_W	II- IV	4	60
C8. Physical development (E)	Physical activity of choice (sport), two hours a week. Assessment: credit. [Credit granted by the education programme coordinator based on a PhD student's statement, 1 ECTS for each semester, max. 4 semesters]	P8_K	I-IV	4	120
D. TRAINEESHIP					
D1. Traineeship in academic didactics (O)	Preparation for academic teaching, developing communication skills and knowledge transfer. Assessment: credit. [Obligatory module, preparation and conducting or co-conducting of classes at the university in the amount of 60 hours per year, 3 ECTS for each year]	P8U_U P8U_K	I-VIII	12	240

Additional obligatory courses:

1. PhD students who start their education in the Doctoral School are required to complete a **Health and Safety at Work** training / BHP.
2. **First Aid** course (theoretical part and practical part) is to be completed by the end of the 2nd semester.
3. PhD students who plan research involving vertebrate animals are required to take training to obtain appropriate qualifications.

*PQF /PRK – Polish Qualifications Framework / Polska Rama Kwalifikacji in accordance with the Regulation of the Minister of Science and Higher Education on the characteristics of second-level learning outcomes for qualifications at Levels 6-8 of the Polish Qualifications Framework.

<https://prk.men.gov.pl/en/1en/>

Conducting research and preparing a doctoral dissertation within the meaning of Article 187(3) of the Act of 20 July 2018 - Law on Higher Education and Science (i.e. Journal of Laws of 2023, item 742 as amended) fulfills in part achieving all types of learning outcomes for qualifications at Level 8 of the PQF. The achievement of these outcomes is verified by the supervisor.

Doctoral students with disabilities and persons in a special health situation may apply for the adaptation of the education process realisation to their needs, according to the principles specified in the order of the Jagiellonian University Rector.

V**Final provision**

The *Earth and environmental sciences* education programme in the discipline of Earth and related environmental sciences at the Doctoral School of Exact and Natural Sciences shall enter into force on the date of the Resolution.