

**Polish–language Study Programme in Biology**  
**in the discipline of Biological Sciences**  
**at the Doctoral School of Exact and Natural Sciences**

**I**

**General provisions**

1. The study programme in Biology has been established according to the Act of 20 July 2018 on the Law on Higher Education and the guidelines applicable at the Jagiellonian University in Kraków.
2. The study programme leads to learning outcomes for qualifications defined as level 8, according to the Polish Qualifications Framework.
3. The study programme lasts eight terms.
4. The Polish language is the language of instruction of this study programme.
5. Detailed requirements and the admission criteria are defined in the recruitment regulations as approved by the Jagiellonian University Senate.
6. A PhD candidate submits an Individual Research Plan to the supervisor after 12 months from the date of the study programme commencement.
7. A number of ECTS points (European Credit Transfer and Accumulation System) allocated to the study programme in Biology is a minimum of 40 points, out of which:
  - a minimum of 30 ECTS points is related to the PhD student's research work and the publication of its results
  - a minimum of 24 ECTS points is realized as part of optional activities aiming at developing professional skills,
  - a minimum of 25 ECTS points is obtained by the end of the 4<sup>th</sup> term.
8. The rules on achieving learning outcomes and the manner of their evaluation are specified in the syllabuses of the individual courses.

**II**

**Occupational internship**

1. The occupational internship programme is realized in the form of conducting classes with students as well as assisting in this process.
2. The rules on the internship programme for those PhD students studying on the study programme Biology are detailed in the Regulation of the Vice-Dean of the Faculty of Biology of the Jagiellonian University on the rules of the internship at the Faculty of Biology of the Jagiellonian University.

3. The number of hours allocated to the internship programme must not exceed 60 hours per academic year.
4. During the 1<sup>st</sup> year of this study programme the PhD student only assists in/observes teaching course classes for a minimum of 10 class hours from which s/he prepares a note with the signature of the course coordinator or of the supervisor. Also, the PhD student takes part in the study programme activities developing his/her teaching skills

### III

#### **Evaluation of study and scientific programme accomplishments**

1. The supervisor monitors the study programme implemented by the PhD student and his/her Individual Research Plan.
2. Annually, no later than by 30 September, the PhD student submits a short report together with the opinion of the supervisor on his/her progress in research work, including progress in the work on the dissertation as well his/her didactic activities.
3. The study programme manager evaluates the implementation of the study programme.
4. The study programme manager evaluates the implementation of the PhD's study programme and research programme on the basis of the supervisor's opinion and a report on the courses passed, in accordance with the study programme schedule.
5. Changing an Individual Research Plan, in particular changing or postponing some of the doctoral student's duties to another date, requires the approval of the study programme manager. He may also, at the request of the doctoral student supported by the supervisor's opinion, decide to accept as part of the performance of duties (with the appropriate allocation of ECTS points) courses or classes not specified in the study programme.
6. By the end of the 4<sup>th</sup> term, a doctoral student shall be subject to the mid-term evaluation before the committee.
7. The evaluation dates are established by the study programme manager.
8. 30 days before the scheduled committee meeting, the PhD student shall submit to the study programme manager a written report on the implementation of the Individual Research Plan. The report must be approved by the supervisor before submission.
9. The committee meeting is public in the part concerning presentation of the results and the discussion.

## Schedule for the study programme in Biology

Doctoral School of Pure and Biological Science Study Programme: Biology						
Item	Objective	Description	PQF*	Term	ECTS	No of hours
<b>OBLIGATORY ACTIVITIES WITHIN THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 6 ECTS POINTS)</b>						
Doctoral School of Exact and Natural Sciences seminar conducted in English		Assessment: <b>credit</b>	P8S_WG P8S_UW P8S_UK	V-VIII	2 (1+1)	Minimum 6 seminars a year
Philosophy (Philosophy of nature)		Assessment: <b>credit with a grade</b>	P8S_WK	V-VI	4	30 hours – lecture 15 hours or 30 hours – seminars
<b>OPTIONAL JOINT ACTIVITIES FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 4 ECTS POINTS)</b>						
English language		Assessment: <b>credit with a grade</b>	P8S_UK	I-II	4	60 hours
Polish language for foreigners		Assessment: <b>exam</b>	P8S_UU	I-IV	4	60 hours
Modern foreign language (as a second foreign language)		Assessment: <b>exam</b>	P8S_UU	I-IV	4	60 hours
Activities enhancing professional and soft skills development (career planning, managerial skills, business communication, e.g. Document and literature management as tools to facilitate working on a doctoral dissertation) Elements of rhetoric and communication offered by the Jagiellonian Competence Development Center.		Assessment: <b>credit</b>	P8S_WK P8S_KR P8S_KO	I-VIII		

OPTIONAL ACTIVITIES TO DEVELOP PROFESSIONAL SKILLS (MINIMUM 24 ECTS POINTS)					
Methodology and methods	Assessment: <b>credit</b>	P8S_UW P8S_UO	I-VIII	12 (4 x 3)	4 x 75 hours
Seminars	Assessment: <b>credit</b>	P8S_UK	I-IV	4 (2 x 2)	2 x 30 hours
CORE COURSES TO CHOOSE FROM: MINIMUM 2 OFFERED EVERY 2 YEARS (MINIMUM 8 ECTS POINTS)					
Developmental Biology	Assessment: <b>exam</b>	P8S_WG P8S_UW P8S_KK	I-IV	4	60hours – lecture
Recent Achievements and Discoveries in Botany	Assessment: <b>exam</b>			4	60hours – lecture
Progress in Cell Biology	Assessment: <b>exam</b>			4	60hours – lecture
Molecular Ecology for PhD Students	Assessment: <b>exam</b>			4	15 hours – lecture 15 hours – class 15 hours – seminar
Methodological Workshop in Evolutionary Biology – grant writing Methodological Workshop in Evolutionary Biology – practical part	Assessment: <b>credit with a grade</b>			4 (2 x 2)	30 hours + 30 hours workshop
Activities enhancing the development of competences relevant to implementing an individual research plan (e.g. summer schools, courses offered at other universities, including foreign universities)	Assessment: <b>according to the course syllabus</b>		I-VI		
OTHER COURSES TO CHOOSE FROM					

Statistics for research	Assessment: <b>exam</b>	P8S_UW	III-V	4	30 hours – seminar 15 hours – practical classes
Research funding and managing research projects	Assessment: <b>credit</b>	P8S_UU P8S_UO	I	1	15 hours – seminar
Intellectual property protection system	Assessment: <b>credit</b>	P8S_KR	I	1	15 hours – seminar
<b>ACTIVITIES TO DEVELOP TEACHING SKILLS (MINIMUM 6 ECTS POINTS)</b>					
University didactics in natural sciences	Assessment: <b>credit with a grade</b>	P8S_UU	I-II	3	30 hours – workshops
Teaching classes as part of professional internship	Lesson observation report on teaching given by the PhD	P8S_UU	In accordance with the guidelines adopted at the Faculty	direct teaching hours 10 hours – 1 ECTS point (maximum 6 ECTS points within the entire training cycle)	minimum 10 hours a year
<p>Additional training</p> <ol style="list-style-type: none"> <li>1. Doctoral students entering their study programme are required to complete training in Health and Safety in Education by the end of the 2<sup>nd</sup> term of their studies, if they have not participated in such a course at the earlier stages of their education at the Jagiellonian University</li> <li>2. First Aid course</li> <li>3. Doctoral students who plan research involving vertebrates are obliged to complete training to obtain appropriate licenses.</li> </ol>					

\* Polish Qualification Framework (PQF) in accordance with the Regulation of the Minister of Science and Higher Education on the characteristics of the second degree learning outcomes for qualifications at the levels 6-8 of the Polish Qualifications Framework.

## V

### **Final provisions**

The study programme Biology in the discipline of biological sciences at the Doctoral School of Exact and Natural Sciences enters into force on the day of the adoption of the Resolution.