

English - language PhD Study Programme in  
Biology in the discipline of Biological Sciences  
at the Doctoral School of Exact and Natural Sciences

I

General provisions

1. The PhD 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 PhD study programme in Biology 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 English language is the language of instruction of 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 student shall submit an Individual Research Plan to the Head of PhD Programme 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 PhD 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> semester.
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 PhD study programme in 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 or 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 PhD 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 the progress in research work, including progress in the work on the dissertation as well his/her didactic activities.
3. The Head of PhD Programme evaluates the implementation of the study programme.
4. The Head of PhD Programme evaluates the implementation of the PhD student'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 or postponing some of the PhD student's duties to another date, requires the approval of the Head of PhD Programme. He/she may also, at the request of the PhD student supported by the supervisor's opinion, decide to accept courses or classes not specified in the study programme (with the appropriate allocation of ECTS points).
6. By the end of the 4<sup>th</sup> semester, the PhD student shall be subject to the mid-term evaluation before the committee.
7. The evaluation dates are established by the Head of PhD Programme.
8. 30 days before the scheduled committee meeting, the PhD student shall submit to the Head of PhD Programme a written report on the implementation of the Individual Research Plan. The report must be approved by the supervisor before submission. Before the scheduled date of the mid-term evaluation, the Head of PhD programme may organize an open session at which the doctoral student will present his / her degree of advancement in the implementation of an individual research plan. The date and form of the session is determined by the Head of PhD programme.

IV  
Schedule for the study programme in Biology

PhD Study Programme in Biology						
Item	Objective	Description	PQF*	Semester	ECTS	No of hours
OBLIGATORY ACTIVITIES WITHIN THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 6 ECTS POINTS)						
Doctoral School of Exact and Natural Sciences seminar conducted in English	Assessment: credit		P8S_WG P8S_UW P8S_UK	V-VIII	2 (1+1)	Minimum 6 seminars a year
Philosophy of science with elements of logic	Assessment: credit with a grade		P8S_WK	V-VI	4	30 hours – lecture 15 hours or 30 hours – seminars
OPTIONAL JOINT ACTIVITIES FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 4 ECTS POINTS)						
English for Environmental Sciences	Assessment: exam		P8S_UK	I-II	4	60 hours
Polish for foreigners	Assessment: exam		P8S_UU	I-IV	4	60 hours
Modern foreign language (as a second foreign language)	Assessment: exam		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: credit		P8S_WK P8S_UU P8S_KR P8S_KO	I-VII		

OPTIONAL ACTIVITIES TO DEVELOP PROFESSIONAL SKILLS (MINIMUM 24 ECTS POINTS)					
OBLIGATORY FOR A MINIMUM 16 ESTS					
Evaluation of progress in PhD thesis I	Assessment: credit	P8S_UW P8S_UO	I-II	2 (2 x 1)	2 x 25 hours
Evaluation of progress in PhD thesis II	Assessment: credit	P8S_UW P8S_UO	III-IV	4 (2x 2)	2 x 40 hours
Evaluation of progress in PhD thesis III	Assessment: credit	P8S_UW P8S_UO	V-VI	2 (2 x 1)	2 x 25 hours
Evaluation of progress in PhD thesis IV	Assessment: credit	P8S_UW P8S_UO	VII-VIII	2 (2 x 1)	2 x 25 hours
Seminar I	Assessment: credit	P8S_UK	I-II	2 (2 x 1)	2 x 15 hours
Seminar II	Assessment: credit	P8S_UK	III-IV	2 (2 x 1)	2 x 15 hours
Seminar III	Assessment: credit	P8S_UK	V-VI	2 (2 x 1)	2 x 15 hours
CORE COURSES TO CHOOSE FROM: MINIMUM 2 OFFERED EVERY 2 YEARS (MINIMUM 8 ECTS POINTS)					
Biomedical research methods: from antigen to antibody and beyond	Assessment: credit with a grade	P8S_WG P8S_UW P8S_KK	I-VI	4	15 hours – lecture 25 hours – seminar
Methods in environmental sciences and nature conservation	Assessment: credit with a grade			4	50hours – lab & field workshop
Molecular Ecology for PhD Students	Assessment: exam			4	15 hours – lecture 15 hours – classes 15 hours – seminar

Methodological Workshop in Evolutionary Biology - grant writing part Methodological Workshop in Evolutionary Biology - practical part	Assessment: credit with a grade	P8S_WG P8S_UW P8S_KK	I-VI	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: according to the course syllabus		I-VI		
OTHER COURSES TO CHOOSE					
Statistics for research sciences	Assessment: credit with a grade	P8S_UW	III-V	4	30 hours – seminar 15 hours – lecture
Advanced Research Communication	Assessment: credit with a grade	P8S_WG P8S_KK	II	3	20 hours – practical classes 20 hours – lecture

ACTIVITIES TO DEVELOP TEACHING SKILLS (MINIMUM 6 ECTS POINTS)

Efficient Teaching	Assessment: credit with a grade	P8S_UU	I-II	3	30 hours – workshop
Teaching as professional internship (Occupational internship)	PhD student's internship card/class observation report	P8S_UU	In accordance with the guidelines adopted at the Faculty	Teaching 10 contact hours – 1 ECTS point (maximum 6 ECTS points within the entire training cycle)	minimum 10 hours a year

Additional training

1. The PhD 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
2. First Aid course (theoretical and practical part)
3. The PhD students who plan research involving vertebrates are obliged to complete training to obtain appropriate licenses.

\* 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.

Conducting scientific research for a doctorate and preparing a doctoral dissertation within the meaning of Article 187 point 3 of the Act on Higher Education and Science of July 20, 2018 partially fulfills the implementation of all types of learning outcomes for qualifications at PQF level 8. The achievement of these effects is verified by the supervisor.

V

Final provisions

The PhD 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.