

English - language Study Programme in Biomedical Sciences (8 terms) in the discipline of Biological Sciences at the Doctoral School of Exact and Natural Sciences

I

General provisions

1. The study programme in Biomedical Sciences 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 **8 terms**.
4. The basic language of study programme is English.
5. Detailed requirements and the admission criteria are defined by the University regulations as accepted by the University Senate.
6. The PhD student submits an Individual Research Plan to the head of study programme after 12 months from the day of the commencement of the study programme.
7. A number of ECTS points (European Credit Transfer and Accumulation System) allocated to the study programme Biomedical Sciences 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 25 ECTS points is obtained by the end of the 4th 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 as well as assisting in this process. They can also be implemented in the form of internship in scientific or industrial laboratories.
2. Occupational internships can also take the form of conducting activities with the purpose of popularizing science.
3. The number of hours allocated to the internship programme must not exceed 60 hours per academic year.

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 supervisor submits to the head of study programme written information on the implementation of the Individual Research Plan and the assessment of the PhD student's progress.
3. The head of study programme evaluates the implementation of the study programme and research programme on the basis of the information from supervisors and a report from the University IT system.
4. Changing an Individual Research Plan, in particular changing or postponing some of the PhD student's duties to another date, requires the approval of the head of study programme.
5. The head of study programme may 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. These classes may also be included in the place of compulsory classes.
6. By the end of the 4th term, the PhD student shall be subject to the mid-term evaluation before a committee appointed by the director.
7. The evaluation dates are established by the head of study programme.
8. 30 days before the scheduled committee meeting, the PhD student shall submit to the head of study programme a written report on the implementation of the individual research plan. The report must be approved by the supervisor before submission.
9. In the mid-term evaluation committee meetings participate members of the committee and a PhD student, but only in those parts of the meetings to which he was invited.

IV

Schedule for the study programme in Biomedical Sciences

Doctoral School of Exact and Natural Sciences Study Programme: Biological Sciences						
Item	Objective	Description	PQF*	Term	ECTS	No of hours
OBLIGATORY ACTIVITIES WITHIN THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES(32 ECTS POINTS)						
Foreign language course		English classes at C1 level.(the course can be credited by JLC without necessity to attend classes in case when possessing certificate) Assessment: exam or another form of credit determined by the teacher	P8S-UU	I-IV	4	60
Learning new research techniques		Learning new experimental techniques and research methodology necessary to carry out research on the subject of the doctoral dissertation being prepared. Organized training (external schools, methodological courses, equipment maintenance courses, etc.) or ad hoc training during the research implementation by more experienced colleagues. Documented in the form of certificates or reports confirmed by the research director or other person conducting training in the selected technique and approved by the head of study programme. The report describes the techniques and the time spent by the PhD student in learning and implementing the technique. The PhD student will learn about the techniques and research equipment available in MCB / JCET / Solaris and other units. Assessment form: written report	P8S-WG P8S-UW	I-IV	15	300

<p>PhD student consultations with the Thesis Advisory Committee (TAC)</p>	<p>Thesis Advisory Committee (TAC) consists of: Group Leader, Supervisor, MCB, CET or Solaris staff member, and a person (holding PhD degree) from outside these units, who can be indicated by the PhD student. Establishing the Team and its first consultation/advisory meeting have to take place within the first 9 months of the studies/programme. The consultation consists of: presentation –30 mins, discussion –30 mins, discussion without Group Leader and Supervisor –15 mins, formulating conclusions and advisory session – 15 mins. The PhD student organizes one meeting every 12 months.</p> <p>Assessment form: minutes of the meeting</p>	<p>P8S-WG P8S-KK P8S-UK P8S-UU</p>	<p>I-VIII</p>	<p>2 (1/2 a year)</p>	<p>PhD student consultations with TAC</p>
<p>PhD student's presentations</p>	<p>As part of the Study Programme, each PhD student presents a poster (1st year), an oral presentation (2nd year) during the annual summer school organized by the MCB. The 3rd year PhD student presents his/her research results at the Golden seminar at the MCB. Presentations may be replaced by similar presentations at other organized conferences, symposia, etc.</p> <p>Assessment: confirmation of active participation</p>	<p>P8S-UK P8S-UW</p>	<p>I-VIII</p>	<p>2 (1/2 a year)</p>	<p>50</p>
<p>Interdisciplinary seminars</p>	<p>Participation in a series of seminars at MCB and JCET or other organized seminars, trainings, speeches, etc. in the field of research.</p> <p>Assessment: confirmation of participation</p>	<p>P8S-KK P8S-WG P8S-UK</p>	<p>I-VIII (including 100h in I-IV)</p>	<p>6</p>	<p>150</p>

International conferences	Active participation in at least one international conference. Assessment: confirmation of active participation	P8S-UK P8S-WG	I-IV	1	25
OPTIONAL ACTIVITIES (MINIMUM 2 ECTS POINTS)					
Professional skills development; preparation for research or R&D work	Communicating research results (posters, abstracts, preparation of results and illustrations for publication), team communication, communication with a superior, preparation of grant applications, statistical analysis and bioinformatics, effective negotiations, research projects management and research team work, social media in science. Assessment: written report / exam	P8S-UU P8S-WK P8S-UK P8S-UW	I-IV	3	70
Cross-sectoral activities	Career Days – meetings with the representatives of the scientific industry, winners of research grants to see their tutoring methods, entrepreneurs (from biotech companies), and scientific journal editors; The meeting are organized by PhD students to recognise alternative professional paths. Assessment: written report	P8S-WK P8S-UW	I-IV	1	25
Outreach activities	Active participation in the activities aimed at popularizing science, e.g. Researchers' Night, Children's University, etc. Assessment: confirmation of active participation	P8S-UU P8S-KO P8S-UU	I-IV	1	25

General knowledge development courses	One course selected from a range of courses offered before a given academic year, e.g. philosophy, ethics, artificial intelligence, cosmology. Assessment: exam	P8S_UW P8S_KR P8S_WK	I-VIII	2 for 30 hours.	60 hours or 30 hours
OPTIONAL JOINT ACTIVITIES FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 2 ECTS POINTS)					
Polish language for foreigners	Polish for foreign PhD students Assessment: exam	P8S-UU	I-VIII	4	60 hours
Foreign language course	Modern foreign language course Assessment: exam	P8U-UU	I-VIII	4	60 hours
Soft skills development course	A course selected from a range of courses offered before a given academic year, e.g. career planning, managerial skills, business communication. Assessment: provided in the course syllabus	P8S-WK P8S-KR P8S-KO	I-VIII	2 for 30 hours	30 hours
Doctoral School of Exact and Natural Sciences seminar	A monthly interdisciplinary seminar with lectures in English delivered by invited Jagiellonian University researchers and guest researchers. Assessment: credit	P8S_WG P8S_UW P8S_UK	I-VIII	4 (1x4)	6 seminars a year
OPTIONAL ACTIVITIES TO DEVELOP PROFESSIONAL SKILLS (MINIMUM 0 ECTS POINTS)					
Other courses and activities leading to attaining competences to accomplish IRP (e.g. summer schools, courses at other universities, including foreign ones)	Assessment: credit	P8S-UW P8S-UK P8S-UU	I-VIII	1/2	30 hours or 60 hours

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 2nd 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
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.

V

Final provisions

The study programme Biomedical Sciences 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.