Astronomy
English - language Study Programme
in Astronomy
at the Doctoral School of Exact and Natural Sciences

I
General provisions

1. The study programme in Astronomy 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. Detailed requirements and the admission criteria are defined by the University regulations as accepted by the University Senate.

5. A PhD student submits an Individual Research Plan to the supervisor after 12 months from the day of the commencement of the study programme.

6. A number of ECTS points (European Credit Transfer and Accumulation System) allocated to the study programme in the discipline of astronomy is a minimum 40 points.

7. 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. Occupational internships programmes are realized in the form of conducting classes with students as well as assisting in this process.

2. Occupational internships can also take the form of conducting activities with the purpose of popularizing science.

3. The number of hours allocated to an occupational 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 study programme manager written information on the implementation of the individual research plan and the assessment of the PhD student's progress.

3. The study programme manager assesses 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 study programme manager.

5. The study programme manager 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.

6. By the end of the 4th semester, the PhD student shall be subject to the mid-term evaluation beforea committee appointed by the director.

7. The evaluation date, in accordance with the PhD student's individual research plan, is established by the programme manager.

8. 30 days before the scheduled committee meeting, the PhD student shall submit to the programme manager a written report on the implementation of the individual research plan. The report must be approved by the supervisor before submission.

9. Members of the committee and the PhD student, in the parts to which s/he was invited, participate at the meetings of the committee conducting the mid-term evaluation.

IV

Schedule for the study programme in Astronomy

Doctoral School of Exact and Natural Sciences Study Programme: Astronomy					
Item	Objective Description	PQF*	Term	ECTS	No of hours
OBLIGATORY ACTIVITIES AT THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 28 ECTS POINTS)					
English Language course	English classes at C1 level for PhD students who do not hold a C1 certificate or are not graduates of master studies conducted in English. Assessment: exam	P8S_UK	I	4	60
Specialist course	Two lectures from at least three offered: Presentation of the foundations and current research problems of a given discipline. Assessment: exam	P8S_WG P8S_UW	I-IV	4/8	60/120
Doctoral seminar	Preparation for research work, analysis and creative synthesis of world scientific achievements, identifying and solving research problems, participating in the exchange of scientific experience and ideas. Assessment: assessment of the paper and activity at the seminar.	P8S_WG P8S_UW	I-VI	4/12	30/90

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Workshop under the direct supervision of the supervisor	PhD student research under the direct supervision of the supervisor. Assessment: awarded by the supervisor; with a grade	P8S_UW P8S_UK P8S_UO P8S_KK P8S_KR	I-VIII	4/16	60/240
Research workshop	Individual PhD student research, completion of the doctoral dissertation Assessment: awarded by the supervisor	P8S_W P8S_U	I-VIII	No ECTS	Up to 8 hours daily
OPTIONAL ACTIVITIES JOINT FOR THE DOCTORAL SCHOOL OF EXACT AND NATURAL SCIENCES (MINIMUM 4 ECTS POINTS)					
Doctoral School seminar	A monthly interdisciplinary seminar with English lectures led by invited researchers Assessment: credit	P8S_WG, P8S_UW P8S_UK	I-VIII	4 (1 x 4)	Minimum 6 seminars a year
Modern foreign language course	As a second foreign language Assessment: exam	P8S_UU	I-IV	4	60
Polish language course for foreigners	Assessment: exam	P8S_UU	I-VIII	4	60
General knowledge development course	Course/s 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 each 30 hours	30 or 60

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Professional competence and soft skills development course	One 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 each 30 hours	30
OPTIONAL ACTIVITIES TO DEVELOP PROFESSIONAL SKILLS (MINIMUM 4 ECTS POINTS)					
Astronomical Observatory seminar	Participation in chosen seminars to broaden the knowledge of the recent astronomy achievements and to learn how to deliver	P8U_U P8U_W	I-VIII	1/8	At least 5 seminars per term
	seminars. Assessment: credit based on a PhD student's declaration that s/he participated in at least 10 seminars during the year.				
Other courses and activities leading to attaining competences to accomplish IRP	For example, summer schools, courses completed at other universities, including foreign universities. Assessment: according to a course syllabus	P8S_KK P8S_UO	I-VIII	According to the programme envisaged by the programme manager	At least 35 hours
PROFESSIONAL INTERNSHIP					
Professional internships	Preparation for work as an academic teacher: developing communication skills and knowledge transfer skills. Assessment: credit based on the opinion of the person monitoring the classes given by the PhD student	P8U_U, P8U_K	I-VIII	1 for 15 hours	Up to 60 hours a year

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In-company internship	Optional; in an industrial company or other company relevant to the PhD student, for a total of 3 months. Assessment: credit based on a company certificate	P8U_U, P8U_K	IV-VIII	1 ECTS point for 35 hours of internship	Up to 3 months
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 earlier stages of their education at the Jagiellonian University 2. First Aid course completed by the end of the second term 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 the qualifications at the levels 6-8 of the Polish Qualifications Framework.

V

Final provisions

The study programme Astronomy in the discipline of astronomy at the Doctoral School of Exact and Natural Sciencesenters into force on the day of the adoption of the Resolution