

# **THE DEGREE PROGRAMME CURRICULUM**

## **The GeoPlanet Doctoral School 2022**

The GeoPlanet Doctoral School offers education in the following disciplines:

- astronomy,
- automation, electronic and electrical engineering,
- social and economic geography and spatial planning,
- physical sciences,
- Earth and environmental sciences.

The implementation of the Degree Programme Curriculum aims at achieving the learning outcomes stipulated for the qualifications described at the 8th Level of the Polish Qualification Framework (PQF). This aim is achieved by a regular work with the supervisor to carry out the individual research plan as well as by the accomplishment of the present Degree Programme Curriculum.

1. The Doctoral Student shall be obliged during his/her education in the GeoPlanet Doctoral School to:
  - a) carry out his/her individual research plan agreed jointly with the supervisor
  - b) receive at least 35 ECTS credits from the participation in lectures, workshops, exercises and internships organized by the Doctoral School and, upon the consent of the supervisor, outside the Doctoral School, from carrying out scientific research as well as conducting didactic activity and popularizing actions. The list of classes and activities along with the assigned ECTS credits, additional requirements and acquired learning outcomes connected with the relevant parts of the description of the 8<sup>th</sup> are included in Table 1.
2. In the course of the studies, the Doctoral Student shall be obliged to pass at least one of the general interdisciplinary lecture (Item 1 of Table 1) and at least one “GeoPlanet” interdisciplinary lecture (Item 2 of Table 1), excluding the lecture offered by the Institute where the Doctoral Student is affiliated.
3. The general interdisciplinary lectures (Item 1 points a)-c) of Table 1) are organized by the Doctoral School not less frequently than one time every two years in the case of each lecture.
4. At least two “GeoPlanet” interdisciplinary lectures are organized in each academic year (Item 2 of Table 1).
5. The Doctoral Student shall be obliged to obtain at least 17 ECTS credits within the block of elective classes which are chosen individually and in line with the subject and scope of the doctoral dissertation in consultation with the supervisor. The possible elective classes and other forms of activity of the Doctoral Student for which the ECTS credits are granted are enumerated in Items 3-12 of Table 1.
6. The detailed list of monographic lectures, exercises, internships and other classes organized in the Institutes included in the structure of the Doctoral School in a given

term, in particular classes enumerated in Item 3 of Table 1, along with the corresponding ECTS credits, is made available on the website of the Doctoral School at least a month before the start of each term.

7. The School Coordinator may take a decision about the obligation to pass some of the classes mentioned in Item 3 of Table 1 by the Doctoral Students affiliated at the Institute. The list of the obligatory classes, in the amount not exceeding 6 ECTS per a term, shall be provided to the students of the Institute not later than a month before the term commences.
8. The authorizations concerning the completion of classes by a pass grade/grade are given, respectively with regard to:
  - a) Items 1, 2 and 3 of Table 1, by the Instructor/Teacher or the School Coordinator on the basis of the written record made by the Instructor/Teacher,
  - b) Items 4-8 and 11, by the Supervisor or School Coordinator,
  - c) Item 10, by the Coordinator or the Instructor/Teacher running a seminar,
  - d) Item 9 and 12, by the School Coordinator.
9. The authorization concerning the completion of lectures or other classes run outside the Doctoral School is given by the Coordinator.
10. A syllabus shall be prepared for lectures and classes run in the Doctoral School, in particular concerning Items 1-3 of Table 1, including in particular::
  - a) title and summary,
  - b) number of ECTS credits,
  - c) the manner of verifying the knowledge and skills gained,
  - d) assessment criteria,
  - e) acquired learning outcomes with reference to relevant parts of the description of 8th level of PQF.
11. Education in the Doctoral School is provided in English language.
12. Depending on the type of the classes, the Doctoral School ensures that the students can join the classes via videolinks/conference links.

**Table 1**

No.	Type of Activity	Number of ECTS credits	Acquired learning outcomes (with reference to description of 8 <sup>th</sup> level of PQF) <sup>1</sup>	Other requirements; comments
1.	<p>General interdisciplinary lectures, including</p> <p>a) <i>ABC of A Scientist: How to effectively apply for financing research projects and present and publish the results of scientific research</i></p> <p>b) <i>Advanced statistical methods in scientific research</i></p> <p>c) <i>Philosophy of Science</i></p> <p>d) other lectures specified by the Board of the School.</p>	<p></p> <p>4 ECTS</p> <p>3 ECTS</p> <p>3 ECTS</p> <p>specified in the syllabus of the course</p>	<p></p> <p>P8S_WK, P8S_UK, P8S_UO, P8S_UU + specified in the syllabus of the course</p> <p>P8S_WG + specified in the syllabus of the course</p> <p>P8S_WG, P8S_WK, P8S_UW + specified in the syllabus of the course</p> <p>specified in the syllabus of the course</p>	<p>It is required to pass at least one general interdisciplinary lecture in the course of the studies.</p>
2.	<p>Interdisciplinary lectures “GeoPlanet” – lectures prepared regularly by each Institute forming the School, of a review type, presenting the results of research in the discipline represented in the Institute.</p>	<p>3 ECTS</p>	<p>P8S_WG, P8S_UW + specified in the syllabus of the course</p>	<p>It is required to pass at least one general interdisciplinary lecture “GeoPlanet” in the course of the studies, excluding the lecture offered in the Institute where the Doctoral Student is</p>

				affiliated.
3.	Monographic lectures, exercises and specialization internships – selected from the offer of Institutes forming the Doctoral School or, upon the consent of the supervisor, from the offer of other entities in Poland or abroad (including, upon the consent of the Coordinator, e-lectures).	specified in the syllabus of the course	P8S_WG +specified in the syllabus of the course	min. 10 ECTS credits in the course of studies
4.	Individual specialization classes – run by the supervisor or the specialists indicated by the supervisor, in the form of individual training to familiarize the Doctoral Student with the methodology of scientific research which is to be applied in the doctoral research.	specified by the supervisor	P8S_WG, P8S_KK	max. 2 ECTS credits in the academic year, max. 8 ECTS credits in the course of studies <sup>2</sup>
5.	Preparing the manuscript of the article – published in the journal indexed for the database <i>Journal Citation Reports</i> , of which the student is the main author.	3 ECTS per article	P8S_WG, P8S_UW, P8S_UK, P8S_KK	The Coordinator may ask to document the contribution of the Doctoral Student by statements of the co-authors or the opinion of the supervisor
6.	Submitting the application to finance the research from the funds of the external agencies financing the scientific research (research grant).	1 ECTS for submitting the application, 3 ECTS for submitting the application and obtaining the financing	P8S_WG, P8S_WK, P8S_UW, P8S_UU, P8S_UO, P8S_KR, P8S_KO	
7.	Patent application connected with the conducted scientific research.	2 ECTS	P8S_WK, P8S_UW, P8S_KO	

8.	Participation in scientific conferences:			
	a) Presenting a conference paper or poster at the international conference	1 ECTS – conference paper 0.5 ECTS – poster	P8S_WG, P8S_UK	min. 1 ECTS, max. 5 ECTS in the course of studies
	b) presenting a conference paper at the domestic conference	0.25 ECTS	P8S_WG, P8S_UK	max. 0.5 ECTS in the course of studies <sup>2</sup>
9.	Didactic activity – can be accomplished by the Doctoral Student by his/her teaching classes	established by the Coordinator	P8S_UU	max. 4 ECTS in the course of studies <sup>2</sup>
10.	Preparing and presenting a doctoral seminar or other seminar showing the results of research in the institute in Poland or abroad.	0.5 ECTS	P8S_WG, P8S_KK	doctoral seminar – obligatorily once a year max. 2 ECTS in the course of studies <sup>2</sup>
11.	Participation in the scientific school, specialized workshops and trainings, in Poland or abroad	1 ECTS for each week	P8S_WG, P8S_UK	max. 6 ECTS in the course of studies <sup>2</sup>
12.	Activity aiming at popularizing science – accomplished by:			
	a) participation in the organization and conducting popular science events (e.g. during science picnics and festivals of science, Nights of Museums etc.)	0.5 ECTS for each 10 hours	P8S_UK, P8S_KO, P8S_KR	min. 1 ECTS, max. 4 ECTS in the course of studies <sup>2</sup>
	b) preparing and presenting a popular science lecture or popular science demonstration	1 ECTS	P8S_UK, P8S_KO, P8S_KR	

	c) preparing and publishing a popular science article, including on-line	1 ECTS	P8S_UK, P8S_KO, P8S_KR	
<p><sup>1</sup>The parts of the description of the 8th level of the PQF, expressed in the abbreviated form, pursuant to the Regulation of the Minister of Science and Higher Education as of 14th November 2018</p> <p><sup>2</sup>The obtained ECTS credits which are above the specified maximum amount are not included in the minimum amount of 35 ECTS necessary to complete the education process..</p>				