

FRAMEWORK EDUCATION PROGRAMME – DOCTORAL SCHOOL OF NATURAL SCIENCES OF UNIVERSITY OF GDAŃSK

Subject	1st year		2nd year		3rd year		4th year		Total		
	Number of hours	ECTS points	Number of hours	ECTS points	Number of hours	ECTS points	Number of hours	ECTS points	Number of hours	ECTS points	
Health and safety ¹	Online course										
Individual research plan ²											
Research module											
Philosophy of science	15	1							15	1	
Academic writing										15	1
Research workshop										30	2
Intellectual property protection										10	1
Specialised lecture ³										60	4
Commercialization of scientific research										10	1
Management of research projects										15	1
Presentation methods										10	1
Conference presentation ⁴											2
Data acquisition and management	Online course										
Seminar module											
Doctoral seminar ⁵	30	2	30	2	30	2	30	2	120	8	
Doctoral seminar workshop ⁶	30	2	30	2	30	2	30	2	120	8	
Reporting session ⁷	5	1	5	1	5	1	5	1	20	4	

¹ In the case of education in disciplines in the natural science field, the Health and Safety course is conducted in the form of a lecture, in other cases it is an online course

² According to the Higher Education and Science Act, a doctoral student submits the individual research plan within 12 months of entering education

³ A doctoral student selects 60 hours of specialised lectures during the course of entire education

⁴ During the course of education a doctoral student is obligated to give a presentation at one academic conference (university, national or international)

⁵ Doctoral seminar takes place within a discipline of science (or field of science in case of a doctoral dissertation in the field of science)

⁶ Doctoral seminar workshop is conducted as a discussion forum, whose aim is an exchange of research experiences, analysis of doctoral dissertation methods, tool selection and results

⁷ Participation in reporting session is preceded by the presentation of research results (on a field of science or interdisciplinary level)

Didactic module										
Innovative didactic methods	30	2							30	2
Innovational teaching practice ⁸	30	1	180						210	10
								Total	665	46
Optional module⁹										
Academic Foreign Language ¹⁰								60	4	
Faculty courses ¹¹								60	4	
							60	4		
								TOTAL	725	50

All forms of classes (excluding conference presentation) are completed by obtaining credits in the subject

A doctoral student is obligated to prepare and present the individual research plan within 12 months of entering education

⁸ A doctoral student participates in conducting classes in the first year of education and conducts classes on his own in the following years. During the course of entire education a doctoral student is obligated to complete at least 210 hours of teaching practice, which corresponds to min. 10 ECTS points. At least 90 hours of teaching must be conducted independently.

⁹ A doctoral student obtains 4 ECTS points in the Optional module

¹⁰ A doctoral student selects a foreign language course from those available in Foreign Languages Centre

¹¹ A doctoral student may select courses from the university-wide offer in the discipline or field of science, which a doctoral student conducts research in (or in other disciplines or fields)