

Framework for doctoral studies	
Unit included in the doctoral studies:	Faculty of Biology and Environmental Protection Faculty of Chemistry Faculty of Languages Faculty of Physics, Astronomy and Informatics Faculty of Mathematics and Computer Science Faculty of Economic Sciences and Management Faculty of History Faculty of Earth Sciences Faculty of Education Faculty of Fine Arts Faculty of Theology
Name of the doctoral studies:	Interdyscyplinarne Studia Doktoranckie „Academia Copernicana” Interdisciplinary PhD School „Academia Copernicana”
Number of terms:	8
The total number of ECTS credits:	35

I year

Mandatory activities									
Code of the module in the USOS	Name of the module	Name of this item	Code the subject matter the USOS	Form classes	Form of crediting	Number of hours	Number of ECTS credits		
2100-AC-M1-PCR	Module I Preparing to conduct research activities	Successful grant application - 2 groups of scientific disciplines science: science humanities			graded credit: Miniatura, Preludium or other application	20	1		
			2100-AC-SGAS-1	tutorial		20	1		
			2100-AC-SGAH-1	tutorial		20	1		
				Legal foundations of science	2100-AC-LFS-1	lecture	graded credit: final test	10	1
				Ethics and intellectual property	2100-AC-EIP-1	lecture	graded credit: final test	10	1
				History of scientific thinking	2100-AC-HST-1	lecture	graded credit: final test	10	1
				Informatics, data bases and scientific data acquisition	2100-AC-IDB-1	tutorial	graded credit: final test	10	1
2100-AC-M2-CDA	Module II Current developments and achievements in the selected basic scientific discipline	Current scientific achievements - 2 groups of scientific disciplines science:*				15	1		
			2100-AC-CSAS-1	discussion seminar	graded credit: final test	15	1		

		humanities	2100-AC-CSAH-1	discussion seminar	graded credit: final test	15	1
		Artificial intelligence and the future of scientific thinking	2100-AC-AIF-1	tutorial	graded credit: final test	15	1
2100-AC-M3-SAP	Module III Skills associated with the presentation of scientific research	Scientific data presentation and copyright I	2100-AC-SDP-1	tutorial	graded credit: paper draft	15	2
Total:						105	9
Optional classes							
Code of the module in the USOS	Name of the module		Selecting items / modules			Minimum number of ECTS	
2100-AC-M1-PCR	Module I Preparing to conduct research activities: Applied data analysis and statistics - tutorial 30 h (2 groups of scientific disciplines science: science, humanities)		the student selects according to the scientific discipline of his doctoral thesis			2	
2100-AC-M4-EAS	Module IV Educational activities with students: The art of teaching - lecture 15 h, tutorial 30 h (2 groups of scientific disciplines science: science, humanities)		the student selects according to the scientific discipline of his doctoral thesis			5	
2100-AC-M1-PCR	Module I Preparing to conduct research activities: International summer schools - tutorial 30 h (2 groups of scientific disciplines science: science, humanities)		the student selects according to the scientific discipline of his doctoral thesis			3	
Total:						10	
Practice							
Extend	Form of practice		Policy evaluation			Number of ECTS credits	

* the student selects according to the scientific discipline of his doctoral thesis; science: biology, geography, chemistry, physics, astronomy, biophysics, mathematics; humanities: economy, finance, management studies, education, literary studies, linguistics, archaeology, library and information science, history, theological science, fine arts, conservation and restoration.

II year

Mandatory activities							
Code of the module in the USOS	Name of the module	Name of this item	Code the subject matter the USOS	Form classes	Form of crediting	Number of hours	Number of ECTS credits
2100-AC-M1-PCR	Module I Preparing to conduct research activities	Evolutionary biology	2100-AC-EB-2	lecture	graded credit: final test	15	1
2100-AC-M3-SAP	Module III Skills associated with the presentation of scientific research	Scientific data presentation and copyright II	2100-AC-SDP-2	tutorial	graded credit: paper draft	15	1
Total:						30	2
Optional classes							
Code of the module in the USOS	Name of the module	Selecting items / modules					Minimum number of ECTS
2100-AC-M5-DEP	Module V Doctoral exam preparation with an additional discipline: Interdisciplinary monograph - lecture 15 h	the student selects according to the additional discipline					1
2100-AC-M1-PCR	Module I Preparing to conduct research activities: International summer schools - tutorial 30 h (2 groups of scientific disciplines science: science, humanities)	the student selects according to the scientific discipline of his doctoral thesis					3
Total:						4	
Practice							
Extend	Form of practice	Policy evaluation					Number of ECTS credits
10 godz.	Educational activities with students	Lecture observation activities scored by the promoter					1

III year

Mandatory activities							
Code of the module in the USOS	Name of the module	Name of this item	Code the subject matter the USOS	Form classes	Form of crediting	Number of hours	Number of ECTS credits
2100-AC-M3-SAP	Module III Skills associated with the presentation of scientific research	Scientific data presentation and copyright III	2100-AC-SDP-3	tutorial	graded credit: paper draft	15	1
Total:						15	1
Optional classes							
Code of the module in the USOS	Name of the module	Selecting items / module					Minimum number of ECTS
2100-AC-M5-DEP	Module V Doctoral exam preparation with an additional discipline: Interdisciplinary monograph - lecture 15 h	the student selects according to the additional discipline					1
2100-AC-M1-PCR	Module I Preparing to conduct research activities: International summer schools - tutorial 30 h (2 groups of scientific disciplines science: science, humanities)	the student selects according to the scientific discipline of his doctoral thesis					3
Total:						4	
Practice							
Extend	Form of practice		Policy evaluation				Number of ECTS credits
10 godz.	Educational activities with students		Lecture observation activities scored by the promoter				1

IV year

Mandatory activities							
Code of the module in the USOS	Name of the module	Name of this item	Code the subject matter the USOS	Form classes	Form of crediting	Number of hours	Number of ECTS credits
2100-AC-M3-SAP	Module III Skills associated with the presentation of scientific research	Scientific data presentation and copyright IV	2100-AC-SDP-4	tutorial	graded credit: paper draft, thesis	15	1
Total:						15	1
Optional classes							
Code of the module in the USOS	Name of the module	Selecting items / module				Minimum number of ECTS	
2100-AC-M5-DEP	Module V Doctoral exam preparation with an additional discipline: Interdisciplinary monograph - lecture 15 h	the student selects according to the additional discipline				1	
Total:						1	
Practice							
Extend	Form of practice	Policy evaluation				Form of practice	
10 godz.	Educational activities with students	Lecture observation activities scored by the promoter				1	

**Module V: Doctoral exam preparation with an additional discipline:
Interdisciplinary monographs**

Kod modułu w USOS	Nazwa przedmiotu	Prowadzący	Kod przedmiotu w USOS	Forma zajęć	Forma zaliczenia	Liczba godzin	Liczba punktów ECTS
2100-AC-M5-DEP	Algebraic and enumerative combinatorics	Prof. dr hab. Piotr Śniady	2100-AC-AEC-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Random matrices and free probability	Prof. dr hab. Piotr Śniady	2100-AC-RM-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Man in the environment	dr hab. Michał Jankowski	2100-AC-ME-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Forests of Poland	dr hab. inż. Piotr Sewerniak	2100-AC-FP-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Basics of medical geomatics	dr Agnieszka Pilarska	2100-AC-BMG-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Virtual Tourism in Poland	dr Agnieszka Pilarska	2100-AC-VTP-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	The Matter of Colour in Art	dr Mirosław Wachowiak	2100-AC-MCA-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Conservation - artistic transgressions	dr Mirosław Wachowiak	2100-AC-CAT-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	European Architecture in the Renaissance and Baroque. Design – Reception - Transformation	dr Franciszek Skibiński	2100-AC-EAR-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	EnLighting the Nanoworld: Understanding the Nature with Photons	Prof. dr hab. Sebastian Maćkowski	2100-AC-EN-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	The hot big bang model	dr hab. Boudewijn Roukema, prof. UMK	2100-AC-HBB-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Health Humanities: An Introduction	Dr hab. Anna Branach-Kallas, prof. UMK	2100-AC-HH-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Evolutionary approaches to culture and communication	dr hab. Przemysław Żywicznyński, prof. UMK	2100-AC-EAC-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Self-Non-Self (SNS) recognition and discrimination in the immune system	Prof. dr hab. Wiesław Kozak	2100-AC-SNS-M5	lecture	graded credit: final test	15	1
2100-AC-M5-DEP	Atomistic theory of nanostructures	dr hab. Michał Zieliński, prof. UMK	2100-AC-ATN-M5	lecture	graded credit: final test	15	1