Framework Study Programme
in the Academia Copernicana Interdisciplinary Doctoral School

Field	Field of Humanities Field of Medical Sciences and Health Sciences Field of Social Sciences Field of Exact and Natural Sciences Field of Theological Sciences Field of Veterinary Sciences Field of Arts
Disciplines	Archaeology, Philosophy, History, Linguistics, Literary Studies, Cultural and Religious Studies, Arts Studies, Pharmaceutical Sciences, Medical Sciences, Health Sciences, Economics and Finance, Socio-Economic Geography and Spatial Management, Security Studies, Social Communication and Media Studies, Political Science and Administration, Management and Quality Studies, Legal Studies, Sociological Studies, Education, Astronomy, Mathematics, Biological Sciences, Chemical Sciences, Physical Sciences, Earth and Environmental Sciences, Theological Studies, Veterinary Medicine, Fine Arts and Art Conservation, Psychology
Duration of education	4 years
Number of ECTS credits	46
Total number of teaching hours	300

Framework Study Programme

Name of course	Lecture / tutorial	Contact hours	ECTS	Year
Obligatory lectures				
Successful grant application	Tutorial	10	1	I
Scientific Methodology (lab work)	Tutorial	10	1	I
Academic writing: concept and essential skills	Tutorial	30	3	I
Academic entrepreneurship	Tutorial	10	1	I
Scientific data presentation	Tutorial	10	1	I
Supervisory mentoring*			16	I-IV
Artificial intelligence and the future of scientific thinking	Lecture	10	1	II
Academic ethics and intellectual property	Lecture	10	1	II
Philosophy of science	Lecture	10	1	II
Formation of the scientist's image	Tutorial	10	1	II
Project management	Tutorial	16	1	II
Innovation and open Science	Lecture/Project	4 (11 project)	1	II
Copyright I	Tutorial	10	1	II
Sum of obligatory lectures		***140***	***30***	
Elective lectures				
Specialized monographic lectures	Lecture			I-IV
Visiting guests lecturers	Lecture			I-IV
International summer schools	Lecture			I-IV
International and national conference attendance	Lecture			I-IV
Lectures offered by the doctoral school	Lecture			I-IV
External scientific training	Tutorial			I-IV
Sum of elective lectures and external training		**160**		
TOTAL		**300**	**46**	

PhD students are obliged to attend each obligatory class once during their studies.

*An exception to the above-mentioned rule is the *"Supervisory mentoring"* class, which is held each semester of the 4-year education programme. PhD students receive 4 ECTS points each year for the "Supervisor mentoring" class (16 ECTS points in total).

All elective lectures and external trainings must to be provided as part of self-selected activities, including:

- ✓ summer schools,
- ✓ international and national conferences,
- ✓ scientific exchange, workshops, trainings, certified courses, teaching practices
- ✓ lectures offered by the doctoral school.

All activities have to be confirmed by e.g. a certificate or letter authorized by the trainer.

- ✓ Attendance in specialized monographic lectures - 0.2 ECTS / 2 hours.
- ✓ Participants in summer schools (at least 5 contact hours required) - 1 ECTS / 10 hours.
- ✓ Active participation in an international and national conference (poster / abstract / presentation required) - 1 ECTS (regardless the duration of the conference).
- ✓ In-person external scientific training - 2 ECTS / 1 week.
- ✓ Online external scientific training - 0.1 ECTS / 1 hour.
- ✓ Workshop / course attendance – 0.1 ECTS / 1 hour.
- ✓ Webinar attendance – 0.1 ECTS / 1 hour.
- ✓ International internship – 4 ECTS / 1 week.
- ✓ Teaching practices – 0.1 ECTS /1 hour (active conducting of classes with students).
- ✓ Certified courses within international internships might compensate for an equivalent obligatory lecture.

The framework is in accordance with the 2nd part of the Polish qualification framework - level 8.

Notes

1. The program of education at the doctoral school, in accordance with the Act of 20 July 2018 on Higher Education and Science (Journal of Laws of 30 August 2018, item 1668) is NOT a study program. Therefore, it is based on "modular" courses that are not conducted in a semester system. This means, for example, that workshops on preparing grant applications are held over two days, 1-2 times a year. One part of the workshop may be conducted by invited experts from the National Science Centre (NCN) or the Foundation for Polish Science (FNP). The second part may take place under the supervision of the NCU staff experienced in securing funds from institutions that conduct grant competitions.
2. The program of education at the doctoral school and the description of the learning outcomes included in it are based on the second-cycle characteristics for qualifications at level 8 of the Polish Qualifications Framework, as specified in the regulation of the Minister of Science and Higher Education of 14 November 2018 regarding the second-cycle characteristics of learning outcomes for qualifications at levels 6-8 of the Polish Qualifications Framework (Journal of Laws of 2018, item 2218).
3. Classes are conducted in English by domestic or invited experts/researchers.

4. The framework program of education consists of obligatory and elective classes, within which the doctoral candidate acquires general knowledge and skills in the methodology of the given discipline and refines their specialised skills related to the doctoral project being undertaken.
5. *Supervisor Mentoring* creates the organisational framework for individual work between the supervisor(s) and the doctoral candidate. ECTS credits pertain to the individual work of doctoral candidates. Crediting the course on *supervisor monitoring* is equivalent to earning 2 ECTS credits for each semester. The doctoral candidate is required to obtain 16 ECTS credits over the course of 4 years of study. Supervisors receive remuneration for mentoring according to the rate set by the NCU Rector.
6. All elective lectures and external internships must be undertaken as part of independently selected activities, such as monographic lectures, summer schools, international conferences, research exchanges, workshops, training sessions, and certified courses. They should be included in the doctoral candidate's research plan, and their selection should be made in consultation with the director of the doctoral school and the supervisor. All activities must be documented, for example, with a certificate or a document verified by the instructor.
   Each specialised monographic lecture is counted as 2 instructional hours and is equivalent to earning 1/5 of an ECTS credit.
   Summer schools consist of at least 5 instructional hours and are equivalent to at least ½ ECTS credit.
   Participation in international conferences will be awarded 1 ECTS credit corresponding to 10 lecture hours.
   Each week of external research work placement and training will be awarded 2 ECTS credits.
   Each week of an international internship will be awarded 4 ECTS credits.
   Certified courses (with assigned ECTS credits) completed as part of international internships may replace an equivalent obligatory lecture.
7. In the middle of the education period, after the completion of the second year, a mid-term evaluation of the doctoral candidate is conducted, resulting in either a positive or negative outcome. The mid-term evaluation is carried out by an evaluation committee with the participation of external experts. If the doctoral candidate receives a negative assessment, they will be removed from the list of doctoral candidates.

Learning outcomes for the Academia Copernicana Interdisciplinary Doctoral School

Symbol of learning outcome	Learning outcomes		Component code according to the Polish qualification framework - level 8
	Polish language version	*English language version*	
	Wiedza – absolwent zna i rozumie:	**Knowledge – a graduate knows and understands:**	
WG_01	światowy dorobek uprawianej dyscypliny naukowej lub artystycznej w stopniu umożliwiającym rewizję istniejących paradygmatów	the scientific or artistic literature to the extent that it allows revision of existing paradigms	P8S_WG
WG_02	główne trendy rozwojowe uprawianej dyscypliny naukowej lub artystycznej	the main trends in his scientific or artistic discipline	
WG_03	metodologię badań uprawianej dyscypliny naukowej lub artystycznej oraz szczegółowe techniki badawcze uprawianej specjalizacji	the scientific research methodology of his scientific or artistic discipline and knows the respective research techniques	
WG_04	zasady upowszechniania wyników badań naukowych, w tym w trybie otwartego dostępu	the principles for dissemination of scientific results in the field of exact and natural sciences, including in the open access mode	
WK_01	fundamentalne dylematy współczesnej cywilizacji	fundamental problems of modern civilization	P8S_WK
WK_02	ekonomiczne, prawne, etyczne i inne istotne uwarunkowania działalności naukowej	economic, legal, ethical and other relevant determinants of scientific activities	
WK_03	podstawowe zasady transferu wiedzy do obszarów gospodarczych i społecznych oraz komercjalizacji wyników działalności naukowej i know-how związanego z tymi wynikami	the basic principles of knowledge transfer to the economic and social areas and commercialisation of the results of scientific activities and of the know-how related to these results	
	Umiejętności – absolwent potrafi:	**Skills - the graduate is able to:**	
UW_01	korzystać z wiedzy z różnych dyscyplin naukowych, twórczo identyfikować, formułować i innowacyjnie rozwiązywać złożone problemy lub realizować zadania o	make use of knowledge from a variety of scientific disciplines, creatively identify, formulate and innovatively solve	P8S_UW

	charakterze badawczym w a szczególności poprzez: - określenie celu i przedmiotu badań naukowych, sformułowanie hipotezy badawczej, - opracowywanie metod, technik i narzędzi badawczych oraz ich twórcze stosowanie, wnioskowanie na podstawie wyników badań naukowych	complex problems or perform tasks of a research nature in particular by: - defining the purpose and object of scientific research, formulating a research hypothesis, - developing research methods, techniques and tools and applying them creatively, inferring on the basis of scientific findings	
UW_02	krytycznie analizować i oceniać wyniki badań naukowych, i inne prace twórcze oraz ich wkład w postęp wiedzy.	critically analyse and evaluate the results of scientific research, expert and other creative work and their contribution to the advancement of knowledge.	
UW_03	transferować wyniki działalności naukowej do sfery gospodarczej i społecznej	transfer the results of scientific activities to the economic and social areas	
UK_01	komunikować się na tematy specjalistyczne w zakresie niezbędnym do aktywnego udziału w międzynarodowych pracach naukowych społeczność	communicate on specialist subjects to the extent necessary for active participation in the international scientific community P8S	P8S_UK
UK_02	upowszechniać wyniki działalności naukowej, także z wykorzystaniem popularnych form	disseminate the results of scientific activities, also with the use of popular forms	
UK_03	inicjować debatę	initiate debates	
UK_04	uczestniczyć w dyskursie naukowym	participate in scientific discourse	
UK_05	posługiwać się językiem obcym na poziomie B2 Europejskiego Systemu Opisu Kształcenia Językowego w stopniu umożliwiającym uczestnictwo w międzynarodowym środowisku naukowym i zawodowym	speak a foreign language at B2 level of the Common European Framework of Reference for Languages to the extent enabling to participate in an international scientific and professional environment	
UO_01	planować i realizować indywidualne i zespołowe projekty badawcze lub twórcze, a także w środowisku międzynarodowym	plan and carry out individual and team research or creative projects, also in an international environment	P8S_UO
UU_01	samodzielnie planować i działać na rzecz własnego rozwoju, a także inspirować i organizować rozwój innych	independently plan and act for their own development, and inspire and organise the development of others	P8S_UU
UU_02	planować i prowadzić zajęcia lub grupę zajęć z wykorzystaniem nowoczesnych metod i narzędzi	plan and deliver classes or a group of classes using modern methods and tools	

	Kompetencje społeczne – absolwent jest gotów do:	Social competence - graduate is ready to:	
KK_01	krytycznej oceny dorobku reprezentowanej dyscypliny naukowej lub artystycznej	a critical evaluation of the acquis communautaire represented by the scientific or artistic discipline	P8S_KK
KK_02	krytycznej oceny własnego wkład w rozwój dyscypliny naukowej	critically assess one's own contribution to the development of a scientific discipline	
KK_03	dostrzegania znaczenia wiedzy w rozwiązywaniu problemów poznawczych i praktycznych w ramach określonej dyscypliny	recognise the importance of knowledge in solving cognitive and practical problems within a specific discipline	
KO_01	wypełniania zobowiązań społecznych badaczy i twórców	fulfil the social obligations of researchers and creators	P8S_KO
KO_02	inicjowania działania na rzecz interesu publicznego	initiate actions for the public interest	
KO_03	myślenia i działania w sposób przedsiębiorczy	think and act in an entrepreneurial manner	
KR_01	Podtrzymywania i rozwijania etosu środowisk badawczych i twórczych, w tym: - prowadzenie działalności naukowej w sposób niezależny, - poszanowania zasady publicznej własności wyników naukowych, z uwzględnieniem zasad ochrona własności intelektualnej	sustain and develop the ethos of the research and creative communities, including: - by carrying out scientific activities in an independent manner, - by respecting the principle of public ownership of scientific results, taking into account the principles of protection of intellectual property	P8S_KR