

LECTURE FRAMEWORK OF THE ACADEMIA COPERNICANA INTERDISCIPLINARY DOCTORAL SCHOOL

Scientific fields	All fields represented at NCU
Scientific disciplines	All disciplines represented at NCU
Duration of studies 4	4 years
Number of ECTS points	30
Total number of contact hours	300

Code	Name	Lecture / tutorial	Contact hours	ECTS
Obligatory lectures				
Module I	(odd years ex. 2019/2020, 2021/2022)*			
7405-AC-SGA-1	Successful grant application dr hab. Ireneusz Grulkowski, prof. UMK dr hab. Michał Wojciechowski, prof. UMK	Tutorial	10	1
7405-AC-ADAS-1	Applied data analysis and statistics dr hab. Agnieszka Piernik, prof. UMK	Tutorial	20	2
7405-AC-SM-1	Scientific Methodology (lab work) tutorial with a supervisor	Tutorial	30	3
7405-AC-SDPC1-1	Scientific data presentation and copyright I tutorial with a supervisor	Tutorial	10	1
Module II				
(even years ex. 2020/2021, 2022/2023)*				
7405-AC-AI-2	Artificial intelligence and the future of scientific thinking prof. dr hab. Włodzisław Duch	Lecture	10	1
7405-AC-EIP-2	Ethics and intellectual property dr hab. Radosław Soják, prof. UMK	Lecture	10	1
7405-AC-HST-2	History of scientific thinking and inquiry dr hab. Piotr Oliński, prof. UMK	Lecture	10	1
7405-AC-EB-2	Evolutionary biology prof. dr hab. Werner Ulrich	Lecture	10	1
7405-AC-SDPC2-2	Scientific data presentation and copyright II tutorial with a supervisor	Tutorial	10	1
	<i>Sum of obligatory lectures</i>		120	12
	Facultative lectures**			
	Monographs of visiting lecturers	Lecture		
	International summer schools	Lecture		
	International conference attendance	Lecture		
	Facultative external practices**			
	External scientific practice and training	Tutorial		
	Certified internship (> 1 month)	Tutorial		
	<i>Sum of facultative lectures</i>		180	18
	TOTAL		300	30

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

**The courses in each Module can be completed in consecutive years of your 4 year PhD studies.*

*** All facultative lectures and external practices must to be provided as part of self-selected activities:*

- monographs,*
- summer schools,*
- international conferences,*
- scientific exchange, workshops, trainings, certified courses.*

All activities have to be proved by e.g. certificate or letter authorized by trainer.

- ✓ Obligatory lectures and tutorials are repeated every two years.
- ✓ Each specialized monograph counts for 2 contact hours and is rewarded by 1/5 ECTS point.
- ✓ Summer schools are tutorials of at least 5 contact hours and are rewarded by at least ½ ECTS point
- ✓ International conference attendance will be rewarded by 1 ECTS point equivalent to 10 hours of lecture.
- ✓ Each week external scientific practice and training will be rewarded by 2 ECTS points.
- ✓ Each week of international internships will be rewarded by 4 ECTS points.
- ✓ Certified courses within international internships might compensate for an equivalent obligatory lecture.