

Cracow University of Technology

Course syllabus

binding for the doctoral students of the CUT Doctoral School commencing their studies
in the academic year 2022/2023

Information on the course

Name of the course in Polish	Filozofia
Name of the course in English	Philosophy
Number of the ECTS points	2
Language of instruction	Polish
Category of the course	Mandatory
Field of education	Engineering and Technology
Discipline of education	All disciplines
Person responsible for the course Contact	Jacek Jaśtał, <i>doctor habilitatus</i> , prof. of CUT jacek.jastal@pk.edu.pl

Type of course, number of hours in the study programme curriculum

Semester	Credit type (G / NG)*	Lecture	Practical class	Laboratory	Computer laboratory	Project class	Seminar
6	G ¹	0	15	0	0	0	0

*G – graded credit, NG – non-graded credit, G¹ – graded credit equivalent to an exam

Course objectives

Code	Objective description
Objective 1	Introducing students to the basic philosophical concepts necessary to understand the social and non-technical considerations of scientific and engineering activities.
Objective 2	Introducing students to the main approaches in the philosophy of science: inductivism, falsificationism and Research Programmes; introduction to the problems of social philosophy, in particular the impact of technological development on social change.
Objective 3	Acquiring the ability to perceive and take into account non-technical and social aspects of scientific and engineering activities.

Learning outcomes

Code	Description of the learning outcome adjusted to the specific characteristics of the discipline	Learning outcome symbol in the CUT DS	Methods of verification
OUTCOMES RELATED TO KNOWLEDGE			
EUW1	The student explains the main objectives of philosophy, defines basic philosophical concepts.	E_W01, E_W02	Involvement in class activities, a paper

EUW2	The student explains the concept of a scientific theory, the concept of verification and falsification of a scientific theory, the concept of a paradigm; describes the relationships between technical and scientific activities, and social values.		Involvement in class activities, a paper
OUTCOMES RELATED TO SKILLS			
EUU1	The student is able to analyse cognitive problems in a creative and independent manner, perform deductive and reductive reasoning correctly, draw conclusions, formulate and justify opinions.	E_U01	A paper, a presentation
OUTCOMES RELATED TO SOCIAL COMPETENCES			
EUK1	The student is able to actively participate in a discussion, is aware of the importance of social aspects and consequences of engineering activities.	E_K01, E_K03	Discussion

Course outline

No.	Contents	Learning outcomes for the course	No. of hours
PRACTICAL CLASS			
ĆW1	Philosophy - its definition, subject matter and research methods	EUW1, EUW2, EUU1	3
ĆW2	The problem of justification, division of reasoning; deductive and reductive reasoning	EUW1, EUW2	3
ĆW3	Fundamentals of the philosophy of science; what is a scientific theory; inductionism and falsificationism	EUW2, EUU2, EUK1	3
ĆW4	The development of science, the concept of a paradigm, the concept and examples of scientific revolutions	EUW2, EUU2, EUK1	3
ĆW5	Philosophical aspects of civilisational change - the philosophy of technology	EUW2, EUU2, EUK1	3

The ECTS points statement

WORKING HOURS SETTLEMENT	
Type of activity	Average number of hours (45 min.) dedicated to the completion of an activity type
SCHEDULED CONTACT HOURS WITH THE ACADEMIC TEACHER	
Hours allotted in the syllabus	15
Consultations	1
Examination / course credit assignment	2
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	
Independent study of the course contents	8
Preparation of a paper, report, project, presentation, discussion	4
ECTS POINTS STATEMENT	
Total number of hours	30

The ECTS points number	2
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Preliminary requirements

No.	Requirements
1	None

Course credit assignment conditions / method of the final grade calculation

No.	Description
COURSE CREDIT ASSIGNMENT CONDITIONS	
1	80% attendance in class. Presentation of a paper. Oral test.
METHOD OF THE FINAL GRADE CALCULATION	
Weighted average of grades on the oral test and the presentation.	

Additional information

None

The course reading list

1	A. Chalmers, — Czym jest to, co zwiemy nauka?, Wrocław, 1997, Siedmioróg
2	V. Dusek — Wprowadzenie do filozofii techniki, Kraków, 2011, WAM
3	M. Hollis — Filozofia, Kraków, 1998, Znak
4	W. Kymlicka — Współczesna filozofia polityczna, Kraków, 1998, Znak