

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	Seminarium
Name of the course in English	Seminar
Number of the ECTS points	1
Language of instruction	Polish
Category of the course	Mandatory
Field of education	Engineering and Technology
Discipline of education	Environmental engineering, ,mining and power engineering
Person responsible for the course Contact	Prof. Sławomir Grądział, <i>doctor hab.</i> , MSc in Eng. , professor of CUT slawomir.gradziel@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
2, 3, 4, 5, 6	NG	0	0	0	0	0	15

*G – graded credit, NG – non-graded credit

Course objectives

Code	Objective description
Objective 1	Introduction to the methods of conducting a scientific discussion related to the subject of research
Objective 2	Introduction to methods of oral presentation

Learning Outcomes

Code	Description of the learning outcome adjusted to the specific characteristics of the discipline	Learning outcome symbol in the CUT SD	Methods of verification
OUTCOMES RELATED TO KNOWLEDGE			
EUW1	The doctoral student knows general and selected detailed problems specific to the discipline of environmental engineering, mining and power energy	E_W01 E_W02	Involvement in class activities, discussion, presentations
OUTCOMES RELATED TO SKILLS			
EUU1	The doctoral student is able to conduct discussions on specialist topics to a degree enabling active participation in the international scientific environment	E_U01 E_U02 E_U06 E_U07	Involvement in class activities, discussion, presentations

EUU2	The doctoral student is able to disseminate the results of scientific activity, also in popular forms	E_U09 E_U10	Involvement in class activities, discussion, presentations
OUTCOMES RELATED TO SOCIAL COMPETENCES			
EUK1	The doctoral student is prepared to perform a critical evaluation of the achievements within a given scientific discipline, critical evaluation of one's own contribution to the development of the discipline	E_K01 E_K02 E_K03 E_K07	Involvement in class activities, discussion, presentations

Course outline

No.	Contents	Learning outcomes for the course	No. of hours
LECTURE			
W1	The seminar covers the following topics: presentation of the advancement in the implementation of the doctoral dissertation and their critical evaluation; discussion on the research topics related to the doctoral dissertation; using knowledge from various fields of science for creative identification, formulation and innovative solving of research problems raised in the dissertation; methodology of scientific research in the area of the doctoral dissertation; preparation for presentation at scientific conferences and preparation for the defence of a doctoral dissertation; communication on specialist topics to the extent enabling active participation in the international scientific environment; disseminating the results of scientific activity; initiating a debate and participating in the scientific discourse	EUW1, EUU1, EUU2, EUK1	15

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	5
Examination / course credit assignment	3
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	
Independent study of the course contents	19
Preparation of a paper, report, project, presentation, discussion	8
ECTS POINTS STATEMENT	
Total number of hours	50
The ECTS points number	2

Preliminary requirements

No.	Requirements

1	None
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Course credit assignment conditions / method of the final grade calculation

No.	Description
COURSE CREDIT ASSIGNMENT CONDITIONS	
1	75% attendance in class.
2	Delivery of an oral presentation
METHOD OF THE FINAL GRADE CALCULATION	
Credit assigned on the grounds of the delivery of the presentation.	

Additional information

None

The course reading list

1	Ewa Bielec, Janusz Bielec — Handbook of writing papers or the technique of writing in Polish, Kraków, 2007, Wingert
2	Literature items selected by the teacher in relation to the subject and the topic of the doctoral dissertation