

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 doktoranckie II
Name of the course in English	Doctoral seminar II
Number of the ECTS points	2
Language of instruction	Polish
Category of the course	Mandatory
Field of education	Engineering and Technology
Discipline of education	Chemical Engineering
Person responsible for the course Contact	Prof. Zbigniew Wzorek, <i>doctus hab.</i> , DSc zbigniew.wzorek@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
3	NG	0	0	0	0	0	15

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

Course objectives

Code	Objective description
Objective 1	To master the ability to compile research results.
Objective 2	To master the ability to collect and present literature data.

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 graduate knows and understands – to the extent that they are able to revise the existing paradigms – the world achievements, including theoretical foundations as well as general and selected specific issues appropriate for a given scientific discipline.	E_W01,	Involvement in class activities; a presentation
EUW2	The graduate knows and understands the main development trends of the scientific disciplines concerned.	E_W02	Involvement in class activities; a presentation

E UW4	The graduate knows and understands the principles of disseminating the results of scientific activity, including an open access mode.	E_W04	Involvement in class activities; a presentation
OUTCOMES RELATED TO SKILLS			
E UU1	The graduate is able to make use of knowledge from different fields of science or arts to creatively identify and innovatively solve complex problems or perform research tasks, in particular: <ul style="list-style-type: none"> - to identify the aim and object of scientific research, - to formulate a research hypothesis, - to develop research methods, techniques and tools and use them creatively, - to draw conclusions on the basis of scientific research. 	E_U01	Giving a paper; a presentation
E UU2	The graduate is able to critically analyse and evaluate the results of scientific research, expert activity and other creative works as well as their contribution to knowledge development.	E_U02	Giving a paper; a presentation
OUTCOMES RELATED TO SOCIAL COMPETENCES			
E UK1	The graduate is prepared to critically evaluate the achievements within a given scientific discipline.	E_K01	A presentation; discussion
E UK2	The graduate is prepared to critically evaluate their own contribution to the development of a given scientific discipline.	E_K02	Discussion

Course outline

No.	Contents	Learning outcomes for the course	No. of hours
Seminar			
W1	Introduction: rules for preparing a scientific publication; rules for preparing and delivering a presentation.	E UW1, E UW2, E UW3	1
S1	Presentation of the effect of the literature review on the conducted research work. Critical evaluation of own research plan in the context of scientific achievements.	E UU1, E UU2, E UW3	12
S2	Discussion about the presented contents.	E UK1, E UK2	2

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	
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	

Independent study of the course contents	10
Preparation of a paper, report, project, presentation, discussion	4
ECTS POINTS STATEMENT	
Total number of hours	30
The ECTS points number	2

Preliminary requirements

No.	Requirements
1	...

Course credit assignment conditions / method of the final grade calculation

No.	Description
COURSE CREDIT ASSIGNMENT CONDITIONS	
1	80% attendance in class. Delivering at least two presentations.
METHOD OF THE FINAL GRADE CALCULATION	
Weighted average of the test and presentation grades.	

Additional information

None

The course reading list

1	...
2	...