

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	Seminarium doktoranckie w dyscyplinie
Nazwa przedmiotu w języku angielskim	Doctoral seminar in discipline
Name of the course in English	10
Number of the ECTS points	Polish
Language of instruction	Mandatory
Category of the course	Engineering and technology
Field of education	Mechanical Engineering
Discipline of education	Prof. Marek S. Koziń, <i>doctor habilitatus</i> marek.kozien@pk.edu.pl

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

Semester	Credit type (G / NG)*	Lecture	Practical classes	Laboratory	Computer Lab	Project Class	Seminar
2	NG	0	0	0	0	0	15
3	NG	0	0	0	0	0	15
4	NG	0	0	0	0	0	15
5	NG	0	0	0	0	0	15
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 formal requirements for the implementation of a doctoral dissertation.
Objective 2	Principles of mid-term evaluation and ways to prepare for it.
Objective 3	Independent assessment of the implementation of work with the prepared Individual Research Plan.

Learning outcomes

Code	Description of the learning outcome adjusted to the specific characteristics of the discipline	Learning outcome symbol in the CUD DS	Methods of verification
OUTCOMES RELATED TO KNOWLEDGE			

EUW1	The doctoral student knows the current state of knowledge and development trends in the area of discipline and the subject of the doctoral dissertation.	E_W01, E_W02	A presentation, discussion.
OUTCOMES RELATED TO SKILLS			
EUU1	The doctoral student is able to justify the formulated goal and scope of the doctoral dissertation, including the research hypothesis/hypotheses.	E_U01, E_U02,	A presentation, discussion.
EUU2	The doctoral student is able to select the research methodology used and justify the selection.	E_U01	A presentation, discussion.
EUU3	The doctoral student is able to use research methods, techniques and tools and to draw correct conclusions based on conducted scientific research and obtained results	E_U01	A presentation.
EUU4	The doctoral student is able to actively participate in a scientific discussion, in particular, to formulate critical remarks and provide answers.	E_U06, E_U07	Discussion.
EUU5	The doctoral student is able to carry out scientific research that requires the cooperation of other people from research teams at the Cracow University of Technology or with the participation of the Industry.	E_U09, E_U10	A presentation
OUTCOMES RELATED TO SOCIAL COMPETENCES			
EUK1	The doctoral student is able to critically approach their scientific activity, the organization of scientific work, and take into account the ethical aspects of scientific activities and the principles of intellectual property protection.	E_K01, E_K02, E_K03, E_K07	A presentation, discussion.

Course outline

No.	Contents	Learning outcomes for the course	No. of hours
SEMINAR			
S1	Semester 2. Formal conditions for the implementation of a doctoral dissertation at the CUT DS. Rules for writing a doctoral dissertation. Presentation of the doctoral students' individual research plans. Discussing the area and subject of doctoral dissertations. Presentation and indicating the possibility of publishing the results of scientific research. Overview of the rules for increasing the doctoral scholarship.	EUW1, EUU1, EUU4, EUK1	15
S2	Semester 3. Formal and content-related conditions of the mid-term evaluation. Verification of individual research plans implementation.	EUU2, EUU3, EUU4, EUU5, EUK1	15
S3	Semester 4. Presentation of the progress in the implementation of the doctoral dissertation in relation to individual research plans and in the context of the mid-term evaluation.	EUW1, EUU1, EUU2, EUU3, EUU4, EUU5, EUK1	15

S4	Semester 5. Presentation of further progress in the implementation of the doctoral dissertation in the context of comments and recommendations of the mid-term evaluation committee.	EUU2, EUU3, EUU4, EUU5, EUK1	15
S5	Semester 6. Individual analysis of the progress in the implementation of doctoral dissertations with respective supervisors.	EUW1, EUU1, EUU2, EUU3, EUU4, EUU5, 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 AN ACADEMIC TEACHER	
Hours allotted in the syllabus	75
HOURS WITHOUT THE PARTICIPATION OF AN ACADEMIC TEACHER	
Independent study of the course contents	125
Preparation of a presentation, a discussion.	100
ECTS POINTS STATEMENT	
Total number of hours	300
The ECTS points number	10

Preliminary requirements

No.	Requirements
1	Not specified

Course credit assignment conditions / method of the final grade calculation

No.	Description
COURSE CREDIT ASSIGNMENT CONDITIONS	
1	75% attendance in class.
2	Presentation of a paper. Involvement in the discussion.
METHOD OF THE FINAL GRADE CALCULATION	
Course credit granted after meeting the credit assignment conditions.	

Additional information

Not specified

The course reading list

1	Łucki Z., <i>Jak przygotować pracę dyplomową lub doktorską</i> , Kraków, 2006, TAIWPN Universitas.
2	Gambarelli G., Łucki Z., <i>Praca dyplomowa i doktorska</i> , Warszawa, 2017, CeDeWu.