

**DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SUPERVISOR DECLARING/CONDUCTING COURSE:

Wojciech Lorenc, Prof. Tit.

DEPARTMENT: Faculty of Civil Engineering

SCIENTIFIC DISCIPLINE: Civil Engineering and Transport

COURSE CARD

Course name in Polish: Seminarium sprawozdawcze ITL IV

Course name in English: Reporting seminar IV

Course language: English/Polish

University-wide general course type*:

The course is intended for all PhD students: YES / NO

- 1) BASIC COURSE
- 2) SPECIALIST COURSE
- 3) SEMINAR
- 4) HUMANISTIC COURSE
- 5) LANGUAGE

Subject code: ILQ100181S

* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)	-	-	15	-
Grading	Exam	Exam	Oral presentation	Exam, inspection, evaluation classes

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Ability to prepare a multimedia presentation.
2. Necessary advanced knowledge about the design, construction, maintenance and computational analysis of building objects.
3. Ability to synthetically present the research results achieved.
4. Ability to analyze presented solutions of research problems, in the field of civil engineering as well as mechanics of engineering structures, including: to notice defects and advantages of solutions, assess the validity and correctness of the conclusions.

COURSE OBJECTIVES

- C1. Presenting general principles of writing doctoral dissertations, requirements for candidates to award PhD degree
- C2. Improving the ability to present the results of scientific research with the use of multimedia resources, developing skills in synthesizing the results achieved
- C3. Developing the ability to prepare scientific publications with particular emphasis on a fair literature review related to the research being conducted

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- C4. Developing the skills of critical evaluation of research results
 C5. Improving the skills to participate in a scientific discussion and to defend the own position
 C6. Recognition of the subject of research conducted by other participants of the seminar
 C7. Shaping the ethical attitude and awareness of the social role of a young scientist, accountability and reliability in conducting scientific research

PROGRAM CONTENTS

Form of classes		Number of hours
Sem1	Determining the schedule of students' speeches. Discussing the scope and form of presentation of papers	1
Sem2	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem3	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem4	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem5	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem6	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem7	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Sem8	Individual students' presentations related to the PhD thesis being prepared. Discussion	2
Total hours		15

TEACHING TOOLS USED

- N1. Multimedia presentations
 N2. Scientific discussion in the group of PhD students
 N3. Evaluating the method of presentation preparation (selection of content) and the form of a multimedia presentation
 N4. Evaluating the substantive content of the presentation - with justification
 N5. Evaluating the achievements of PhD students - with justification

ACHIEVED SUBJECT LEARNING OUTCOMES

Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	P8S_WG	student has knowledge at an advanced level of discipline and subject matter relevant to the field of research carried out, including the most recent research findings and scientific achievements
Skills	P8S_UK	student is able to prepare and present an oral and multimedia presentation on the implementation of the research and to lead a discussion on the presented presentation,

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		shows an active attitude in preparing a scientific publication
Skills	P8S_UW	student has scientific and technological skills relevant to methods and methodology of conducting scientific research and critical evaluation of the results obtained, is able to creatively interpret the results obtained and to search for their application
Skills	P8S_UO	student is able to initiate and conduct discussions on research topics, results obtained and their interpretation
Social competence	P8U_K	student knows which activities lead to the creation of achievements in violation of law, including copyright, or good practices in science

PRIMARY AND SECONDARY LITERATURE
<p><u>PRIMARY LITERATURE:</u> Literature depends on the subject of the prepared PhD thesis</p> <p><u>SECONDARY LITERATURE:</u> in Polish</p> <p>[1] Stępień B.: Rules for writing scientific texts. PhD theses and articles. PWN Warsaw 2019. [2] Żurek E.: The art of presentation or how to speak with the image (CD). Wyd. Poltex, 2008. [3] Grzybowski P., Sawicki K.: Writing articles and the art of their presentation. Wyd. Impuls, 2010. [4] Blein B.: The art of presentation and public speaking. Wyd. RM, 2010.</p>
SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)
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