

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma Seminar		Code 1010102131010103760
Field of study Civil Engineering Second-cycle Studies	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
Elective path/specialty -	Subject offered in: English	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 30		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art		ECTS distribution (number and %)
Responsible for subject / lecturer: dr inż. Tomasz Garbowski email: tomasz.garbowski@put.poznan.pl tel. 616652099 Wydział Budownictwa i Inżynierii Środowiska ul. Piotrowo 5 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	the student has the knowledge resulting from the scope of completed engineering studies
2	Skills	the student has the ability to perceive, to associate and interpret phenomena occurring in the university and its environment
3	Social competencies	the student is prepared to take on social responsibility for the study of the second stage of education
Assumptions and objectives of the course: - a knowledge of the fundamental issues concerning graduate, - a knowledge of the basic principles of preparation of master dissertations and public presentations based on the progress of the preparation of the Master thesis.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Knows the basic concepts of scientific communication and scientific writing - [w01,w03] 2. Knows the rules for the preparation and publication of scientific papers - [w03] 3. Knows the rules for the development of a thesis - [w03] 4. Knows the rules for the preparation of a thesis presentation - [w03]		
Skills:		
1. Can collect materials for the development of the paper and thesis - [u03] 2. Can analyze the collected material publishing - [u01] 3. Can make inferences, draw conclusions, and put the collected material - [u01] 4. Can prepare a presentation based on the text of the paper or thesis component - [u03]		
Social competencies:		
1. Is aware of the need to respect the principles of ethics in research and professional - [k01] 2. Recognizes the importance of documenting the results of social research - [k04] 3. Can point out important social functions realization thesis - [k03] 4. Is able to develop knowledge of the chosen area of ??graduate study - [k02]		
Assessment methods of study outcomes		

- To check a knowledge about the meaning of the preparation of presentations, implemented in the form of preparation of the public presentation and
- To check an ability to analyze the content and issuing an opinion, on the basis of a seminar discussion concerning the prepared presentation by a student.

Course description

- Transfer of knowledge: essential categories occurring in the transmission of scientific knowledge and scientific writings. Papers. Master's Thesis. Public Speaking. Scientific discussion. Ethical principles in science and in publishing.
- Preparation of papers: General principles for public speaking: topic selection, assessment of student abilities. clarifying the topic, statement of purpose. Preparation of the text of the paper. The structure of presentation. Presentation of the progress of the thesis.
- Implementation of master's theses: Analysis of undertaken theses subjects. Refining the main objective of the thesis, its scope, major tasks, putting theses / hypotheses. Selection of research methods. The rules for selection and analysis of the literature and identifying research area based on literature review. Planning activities in the process of writing. Monitoring progress in the implementation of individual tasks. Proof of hypotheses, draw conclusions.
- Writing of publications (general questions): Indications for the formation of the proportion and volume of text. Guidelines for the development of language. Basic technical preparation of the text. Analysis of texts. Indications for the preparation of a preliminary version of the work. General rules for editing the final version of the thesis.
- Prepare to defend the thesis: Basic principles of preparing a thesis presentation of results. Indication of the presentations scheduled for the defense of master dissertation. The analysis presented as a trial defense.

Basic bibliography:

1. Rozprawy naukowe. Pr. zb. pod red. Zb. Kłosa. Wyd. Politechniki Poznańskiej, Poznań 2011
2. Kolman R., Szczepańska K., Doktoraty i habilitacje. Poradnik realizacji. Wyd. ?Dom Organizatora?, Toruń 2011
3. Apanowicz J., Metodologiczne uwarunkowania pracy naukowej. Difin, Warszawa 2005

Additional bibliography:

1. Gambarelli G., Łucki Z., Jak przygotować prace dyplomową lub doktorską. Wyd. Universitas, Kraków 2001
2. Praca promotora z doktorantem. Materiały konserwatorium. red. B. Wojciechowicz. Wyd. ITE, Radom-Krynica 199
3. Dobre obyczaje w nauce. Komitet Etyki w Nauce przy Prezydium PAN, Warszawa 1996

Result of average student's workload

Activity	Time (working hours)
1. Preparation of thesis and final presentation	55
2. Exam preparation	25
3. Study of available literature and preparation of additional tasks	20

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	15	1
Practical activities	15	1