

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma Seminar		Code 1010612231010610467
Field of study Transport	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
Elective path/specialty Logistics of Transport	Subject offered in: Polish	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: 1		No. of credits 20
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 technical sciences		ECTS distribution (number and %) 20 100%
Responsible for subject / lecturer: dr hab. inż. Jacek Żak email: jacek.zak@put.poznan.pl tel. 61 665 22 30 Wydział Maszyn Roboczych i Transportu ul. Piotrowo 3, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The student has acquired an overall engineering knowledge at undergraduate levels and knows the rules of writing dissertation research papers and reports based on pre-seminar and seminar classes.
2	Skills	The student can use Internet and search for references in open and library sources. He/she can write fluently in Polish and knows the rules of constructing/developing scientific dissertation.
3	Social competencies	The student understands the importance of scientific research and publications.
Assumptions and objectives of the course: -Provision of practical knowledge and skills in writing research reports and dissertations, in particular master?s theses.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student knows the definition of the scientific research dissertation and the rules of its construction/development.. - [K2A_W21]		
2. He/she knows the rules of the literature review and the principles of the define resulting research gap. Student understand the objective and scope of the engineer thesis - [K2A_W21]		
3. Student knows the rules of constructing the contents of the master?s thesis. - [K2A_W21]		
4. Student knows the rules of developing the theoretical part of the dissertation. - [K2A_W24]		
5. Student knows the rules of developing the practical part of the dissertation - [K2A_W24]		
6. Student knows the rules of citing and constructing the list of references. - [K2A_W24]		
Skills:		
1. Student can define the topic/subject, the objective, the scope and the research tasks. - [K2A_U18]		
2. Student can construct the content of the master?s thesis. - [K2A_U18]		
3. Student is able to carry out the literature review and develop the theoretical part of the dissertation - [K2A_U18]		
4. He/she can carry out on engineering research program to the master?s thesis - [K2A_U08]		
5. He/she can develop on list of references and cite bibliographic items - [K2A_U08]		
Social competencies:		

1. The student is aware of the value of scientific research, self-education and self-improvement - [K2A_K05]
2. He/she can construct the research report and scientific dissertation. Can communicate with scientific world. - [K2A_K05]
3. Student is aware of ethical standards concerning scientific publications - [K2A_K07]

Assessment methods of study outcomes

-Written tasks checking the student abilities to construct/ develop particular sections of the master thesis.

Practical test of developing specific sections of the master thesis.

Course description

- 1. The title and objective of the master's thesis. Research tasks. : Practical exercises in constructing the topic/subject, title, objective and scope of the bachelors thesis and the research tasks.
2. Contents of the master thesis: Constructing the structure of the master thesis. Developing the contents of dissertation (selected examples.)
3. Theoretical part of the master thesis: Constructing theoretical chapters of the master thesis associated with the literature review.
4. Practical part of the master's thesis.: Constructing practical chapters of the masters thesis. Different versions of the analytical, conceptual, experimental character.
5. List of references and citing rules.: Different methods and standards of citing. Construction of the list of references.
6. Final graduate exam. Defense the master thesis.: The rules of the masters thesis defense. The course of the final graduate exam.

Basic bibliography:

1. Zenderowski R.: Praca magisterska. Jak pisać i obronić? Wskazówki metodologiczne. CeDeWu, Warszawa, 2007.
2. Rawa T.: Metodyka wykonywania inżynierskich i magisterskich prac dyplomowych, Wydawnictwo Uniwersytetu Warmińskiego ? Mazurskiego, Olsztyn 2006.

Additional bibliography:

1. Ustawa o prawie autorskim i prawach pokrewnych z dnia 4 lutego 1994 roku; Dziennik Ustaw z dnia 23 lutego 1994 roku.
2. Wisłocki K.: Cel i program seminariów przeddyplomowych i dyplomowych na wyższych studiach technicznych. Konwersatorium Wydziału Maszyn Roboczych i Transportu ? prezentacja, Poznań, 2008.

Result of average student's workload

Activity	Time (working hours)	
1. Contact hours with teacher	30	
2. Individual consultation	6	
3. Preparing to exam	10	
Student's workload		
Source of workload	hours	ECTS
Total workload	46	15
Contact hours	36	10
Practical activities	46	15