

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma Seminar		Code 1010611171010610467
Field of study Mechanical Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 4 / 7
Elective path/specialty Heavy Machinery	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 2		No. of credits 15
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 %) 15 100%
Responsible for subject / lecturer: dr hab. inż. Włodzimierz Kęska, prof. nadzw. email: wlodzimierz.keska@put.poznan.pl tel. +4861 665-2225 Wydział Maszyn Roboczych i Transportu ul. Piotrowo 3 60-965 Poznań		Responsible for subject / lecturer: -prof. dr inż. Zdzisław Kośmicki email: -zdzislaw.kosmicki@put.poznan.pl tel. -616652228 -MRiT -piotrowo 3
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has general and technical knowledge acquired throughout the current educational process, necessary for solving complex engineering tasks of a project.
2	Skills	Student is able to read technical texts in English. He can practically use modern CAD software and office package. Able to solve computational tasks in the field of construction machinery.
3	Social competencies	Able to effectively communicate with colleagues. Able to work in a group
Assumptions and objectives of the course: To familiarize students with the demands of engineering thesis. The acquisition of skills by the students to present and interpret the results literature studies, and own research. To familiarize students with the methodology and technology of engineering thesis writing.		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. Has enriched knowledge of the principles of machines designing, principles of publications and technical descriptions. - [K1A-W24]		
Skills: 1. Student can plan and execute a complex action whose aim is solving the technical problem - [K1A-U21] 2. Can develop complex technical documentation of the machine - [K1A-U04] 3. Knows how to present and justify their own technical design - [K1A-U05]		
Social competencies: 1. has developed social skills in a professional environment. - [K1A-K03] 2. understands function and significantly and responsibility of engineer in human society - [K1A-K04]		
Assessment methods of study outcomes		

<p>-Rating of a presentation prepared in the class. - Evaluation of expression and activity in the discussion during the class. The student prepares two presentations per semester. The first end of the first half of the semester relates to the overall design work and review of previous work in the second half of the semester, the student presents the results of his work so far, ie the solution of the engineering and preliminary version of the presentation, to be presented at the final exam.</p>		
Course description		
<p>-Methodology of thesis writing: system work breakdown structure content, the chapters, the selection of sources. Technical guidelines for writing a thesis in the field of prose, layout, copyright, citation of literature and logic to justify the concept of assertions and conclusions. Presentation in the form of seminar issues of student theses. Presentation and discussion of preliminary results, which are the subject of research in the forthcoming thesis combined with the discussion.</p>		
Basic bibliography:		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in seminars	30	
2. Consultation	9	
3. literature studies	50	
4. working out calculations and drawings	300	
5. Edition of the text	110	
6. Preparing a presentation at a seminar and diploma exam	30	
7. diploma exam	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	500	15
Contact hours	40	3
Practical activities	460	12