

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Interim paper</b>		Code <b>1010612221010640466</b>
Field of study <b>Mechanika i budowa maszyn</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>1 / 2</b>
Elective path/specialty <b>Product engineering (Inżynieria produktu)</b>	Subject offered in: <b>English</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>4</b>		No. of credits <b>5</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b> <b>Technical sciences</b>		ECTS distribution (number and %) <b>5 100%</b> <b>5 100%</b>
<b>Responsible for subject / lecturer:</b>  Prof. dr hab. inż. Zbigniew Kłos email: zbigniew.klos@put.poznan.pl tel. 61 665 2231 Machines and Transport Piotrowo 3, 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Knowledge of the basics of writing papers and reports in the field of mechanics.
2	<b>Skills</b>	Is able to prepare a scientific paper in a foreign language in the chosen field of study based on literature and other sources of information, including online sources and submit an oral presentation.
3	<b>Social competencies</b>	Student knows restrictions of the own knowledge and the skill; understands the need for lifelong education.
<b>Assumptions and objectives of the course:</b> To acquaint students with basic principles of writing of interim work. Provide students practical skills of drafting of investigation results and preparing of scientific reports.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Knows the rules of writing thesis, formulating and describing research problems. - [K2A_W02]		
2. Has an in-depth knowledge of how to prepare and describe engineering projects. - [K2A_W04]		
<b>Skills:</b>		
1. Is able to describe the development of products as technical objects and market goods. - [K2A_U02]		
<b>Social competencies:</b>		
1. Is aware of and understands the importance and impact of non-technical aspects of mechanical engineering activities and its impact on the environment and responsibility for own decisions. - [K2A_K02]		
2. Is able to interact in a group taking on the different roles. - [K2A_K03]		
<b>Assessment methods of study outcomes</b>		
Project - presentation of solutions to the engineering problem in the form of a report and evaluation of presentation of received results.		
<b>Course description</b>		

The genesis of thesis topics, the role of the promoter, Sources of scientific and technical information and ways to use of them, formulating hypotheses, models and modeling, the structure of the thesis, the technique of writing research papers, editorial rules, preparation for the final exam, elements of scientific language: regularities, laws, theories, principles.		
<b>Basic bibliography:</b>		
1. Oliver P., Jak pisać prace uniwersyteckie, Wyd. Literackie, Kraków 1999		
2. Pieter J., Ogólna metodologia pracy naukowej, Ossolineum, Wrocław 1967		
<b>Additional bibliography:</b>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Preparation for the project	15	
2. Preparation of the project	100	
3. Seminar participation	15	
4. Consultation	5	
5. Presentation of the results	2	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	137	5
Contact hours	22	4
Practical activities	115	1