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STUDY MODULE DESCRIPTION FORM Name of the module/subject **Proseminar** 1010631361010634114 Profile of study Field of study Year /Semester (general academic, practical) **Transport** (brak) 3/6 Elective path/specialty Subject offered in: Course (compulsory, elective) Engineering of Pipeline Transport **Polish** obligatory Form of study (full-time,part-time) Cycle of study: full-time First-cycle studies No. of hours No. of credits 1 Lecture: Classes: Laboratory: Project/seminars: Status of the course in the study program (Basic, major, other) (university-wide, from another field) (brak) (brak) ECTS distribution (number Education areas and fields of science and art

Responsible for subject / lecturer:

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Faculty of Working Machines and Transportation

ul. Piotrowo 3 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	Knowledge	Knowledge of issues related to the topic of the diploma		
2	Skills	Can apply the scientific method to solve problems		
3	Social competencies	Knows the limits of their own knowledge and skills, able to clearly formulate questions, understands the need for further education		

Assumptions and objectives of the course:

Deepening the knowledge and skills of the organization, and conduct scientific and technical presentation of the results of this work

Study outcomes and reference to the educational results for a field of study

Knowledge:

- 1. He has in-depth knowledge of the organization and writing theses [K1A_W21]
- 2. Able to adapt knowledge and methodology to related disciplines [K1A_W24]
- 3. Can formulate and test hypotheses related to the problems of engineering and simple research questions [K1A_W25]

Skills:

- 1. Is able to communicate using a variety of techniques in a professional environment and other environments using the formal record of the design, technical drawings, concepts and definitions in the scope of the study area. [K1A_U02]
- 2. Is able to use one additional foreign language in everyday verbal communication, can describe in this language related to the field of study, is able to prepare technical documentation of an engineering, transport and/or logistics task. [K1A_U04]
- 3. Has the preparation required in industrial environment, knows safety rules for the job, is able to use for technical standards on unification, safety and recycling of machinery and equipment. [K1A_08]
- 4. Is able to use acquired mathematical theories to create and analyze simple models of transport and logistics systems. [K1A_U18]

Social competencies:

- 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 in short and long-term aspect. [K1A_K02]
- 2. Is able to define the tasks and priorities for their implementation for himself and the coworkers team. [K1A_K05]
- 3. Is able to think and act in an entrepreneurial manner, make decisions, work for the development of the employer and the society. [K1A_K07]

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Assessment methods of study outcomes				
Final test				
Course description				
General part: types of work eligibility, including graduate and rules for their implementation, requirements for graduation work. The formulation of a technical problem and also work, literature study, some methodological work, the presentation of research results, develop insights and conclusions. Rules editing work, assisted editing, graphics development, job preparation for printing and reproduction. Some specialist: reporting to the ongoing work by the authors thesis and discussion of them.				
Basic bibliography:				
Additional bibliography:				
Result of average student's workload				
Activity	Time (working hours)			
Preparation of materials to write their paper work	15			
2. Consultation	10			
Student's workload				
Source of workload	hours	ECTS		
Total workload	25	1		
Contact hours	10	0		
Practical activities	15	1		