

| STUDY MODULE DESCRIPTION FORM | | |
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| Name of the module/subject Passing Project | | Code 1010622221010624451 |
| Field of study Transport | Profile of study (general academic, practical) (brak) | Year /Semester 1 / 2 |
| Elective path/specialty Ecology 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: 4 | | No. of credits 6 |
| 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 %) 6 100% |
| Responsible for subject / lecturer: dr hab. inż. Władysław Kozak email: Wladyslaw.Kozak@put.poznan.pl tel. 61 665 2791 Faculty of Working Machines and Transportation ul. Piotrowo 3 60-965 Poznań | | |
| Prerequisites in terms of knowledge, skills and social competencies: | | |
| 1 | Knowledge | Basic knowledge of the ecology of transport. Fundamentals of computer-aided design |
| 2 | Skills | Can apply the scientific method to solve problems, implement experiments and reasoning |
| 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: Exercise self-execution of projects mainly in the field of ecology and economics of transport, analysis and evaluation. | | |
| Study outcomes and reference to the educational results for a field of study | | |
| Knowledge: | | |
| 1. He knows the principle of measurement systems and test equipment - [K1A_W16] 2. He has in-depth knowledge of the ecology of transportation, necessary to solve problems in a selected area of specialization - [K1A_W21] 3. Has knowledge of current developments in terms of transport environment - [K1A-W24] | | |
| Skills: | | |
| 1. He can decide on how to improve the knowledge and skills in the chosen specialty - [K1A_U01] 2. Able to communicate effectively both with specialists and niespecjalistami on issues relevant to the area being studied - [K1A_U02] 3. Can apply the scientific method to solve problems, implement research and reasoning - [K1A_U17] | | |
| Social competencies: | | |
| 1. Is aware of and understands the importance and impact of non-technical aspects of engineering, including its impact on the environment and the associated responsibility for decisions - [K1A_K02] 2. Able to set priorities for implementation specified by you or other tasks - [K1A_K05] 3. He can think and act in a creative and enterprising - [K1A_K07] | | |
| Assessment methods of study outcomes | | |

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| Final test | | |
| Course description | | |
| Technical design element or component airframe, developed on the basis of the output provided by the teacher. The project includes: functional and strength calculations, the description of designed construction, operation manual and part of the drawing. | | |
| Basic bibliography: | | |
| Additional bibliography: | | |
| Result of average student's workload | | |
| Activity | Time (working hours) | |
| 1. There are prepared interim work | 122 | |
| 2. Consultation | 17 | |
| Student's workload | | |
| Source of workload | hours | ECTS |
| Total workload | 139 | 6 |
| Contact hours | 17 | 1 |
| Practical activities | 122 | 5 |