STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Passing Project		**1010624261010624451**
Field of study: **Transport**	Profile of study (general academic, practical): **(brak)**	Year /Semester: **3 / 6**
Elective path/specialty: **Ecology of Transport**	Subject offered in: **Polish**	Course (compulsory, elective): **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time): **part-time**	
No. of hours: Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **2**		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:

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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

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:

1. Dobre obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa 2001

2. Szubert-Zarzeczny U., Technika pisania prac o charakterze naukowym, Wyd. Wyższa Szkoła Zarządzania "EDUKACJA" Wrocław, 2001.

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