STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Diploma Seminar		**1010622331010620467**
Field of study: **Transport**	Profile of study (general academic, practical): **general academic**	Year /Semester: **2 / 3**
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: **1**		No. of credits: **20**
Status of the course in the study program (Basic, major, other): **other**	(university-wide, from another field): **university-wide**	
Education areas and fields of science and art: **technical sciences** **Technical sciences**		ECTS distribution (number and %): **20 100%** **20 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student knowledge of specialization subjects and undergraduate seminar.
2	**Skills**	Student can use computer programs to edit technical texts including the formulas, tables and technical computing.
3	**Social competencies**	Student understands the need for correct citation for their thesis.

Assumptions and objectives of the course:

Familiarize with the basic elements of the philosophy of science. Help to prepare a thesis on the appropriate technical and formal level.

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

Knowledge:

1. Student knows how to implement the Master thesis depending on paper type - [K2A_W15]

Skills:

1. Student can (in a critical way) use different sources of information during writing a thesis - [K2A_U02]
2. Student can, in writing, present the effects of his work - [K2A_U06]

Social competencies:

1. Student understands the need for continuous learning. Is aware of the social impact of engineering activity - [K2A_K06]

Assessment methods of study outcomes

presentation

Course description

The correct formulation of the main aim and plan of thesis. Basic elements of the philosophy of science (scientific problem and conditions for scientific problem formation, formulate scientific hypotheses, verification of hypotheses, methods of empirical research, the general principles of experimentation, models and modeling, development of the experimental results). Inference, assorted elements of scientific language - accuracy, scientific law, scientific theory, important principles of scientific writing. Stage of work reporting. Thesis presentation

Basic bibliography:

1. Leszek W. Badania empiryczne. Wyd. ITE, Radom 1997
2. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2003
3. Dobre obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa 2001
4. Zaczyński W.: Poradnik autora prac seminaryjnych, dyplomowych i magisterskich. Warszawa 1995
5. Urban S., Ładoński W., Jak napisać dobrą pracę magisterską, wyd. 4 uzup., Wyd. Akademia Ekonomiczna we Wrocławiu, Wrocław 2001

Additional bibliography:

1. Wojciechowska R., Przewodnik metodyczny pisania pracy dyplomowej. Wyd. DIFIN, 2010
2. Boć J., Jak pisać pracę magisterską, wyd. 4 popr., Wyd. Kolonia Wrocław, 2003

Result of average student's workload

Activity	Time (working hours)
1. Preparedness project	450
2. Consultation	50

Student's workload

Source of workload	hours	ECTS
Total workload	500	20
Contact hours	50	2
Practical activities	450	18