



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Year/Semester

Transport

4/7

Area of study (specialization)

Profile of study

Ecology of transport

general academic

Level of study

Course offered in

First-cycle studies

Polish

Form of study

Requirements

full-time

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

### Number of credit points

15

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

prof. dr hab. inż. Jerzy Merkisz

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tel. 61 665 2207

Faculty of Civil and Transport Engineering

3 Piotrowo street, 60-965 Poznan, Poland

### Prerequisites

Knowledge: knowledge of issues related to the subject of the diploma thesis.

Skills: the student is able to apply the scientific method in solving problems, carrying out experiments and concluding.

Social competences: the student knows the limitations of his own knowledge and skills; is able to precisely formulate questions, understands the need for further education.

### Course objective

Expanding the knowledge and skills on the organization, conducting scientific and technical works and the presentation of the results of these works.



## Course-related learning outcomes

### Knowledge

The student knows the basic techniques, methods and tools used in the process of solving tasks in the field of transport, mainly of an engineering nature engineering

The student has a basic knowledge of patents, the copyright and related rights act and the act on the protection of personal data and technology transfer, in particular with regard to transport solutions

### Skills

The student is able to prepare and present, in Polish and English, a well-documented study of problems in the field of transport engineering, including oral presentations.

The student is able to organize, cooperate and work in a group, assuming various roles in it, and is able to properly define priorities for the implementation of a task set by himself or others

The student is able to plan and implement the process of own life long learning and knows the possibilities of further education (second and third degree studies, postgraduate studies, courses and exams conducted by universities, companies and professional organizations)

### Social competences

The student is aware of the social role of a technical university graduate, in particular, he/she understands the need to formulate and transfer to the society, in an appropriate style, information and opinions on engineering activities, technological achievements, as well as the achievements and traditions of the transport engineer profession

The student correctly identifies and solves dilemmas related to the profession of a transport engineer

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of the presentation of the written thesis in the forum of the dean's group. Assessment of the written work in terms of content, methodology and editorial content.

## Programme content

General part: types of qualification theses, including diploma theses and rules for their implementation, requirements for master's theses. Formulation of the technical problem and thesis, study of literature, methodological part of the work, presentation of research results, development of observations and conclusions. Principles of work editing, editing support, development of graphic elements, preparation of the work for printing and duplication. Specialist part: reporting on the dissertations carried out by the authors and discussion on them.

## Teaching methods

case study / discussion / problem solving

## Bibliography



Basic

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.

Additional

1. Boć J.: Jak pisać pracę magisterską. Wrocław, Kolonia Limited, 2003.

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	350	15,0
Classes requiring direct contact with the teacher	40	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	310	13,0

<sup>1</sup> delete or add other activities as appropriate