



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma Seminar

Course

Field of study

Year/Semester

Transport

4/7

Area of study (specialization)

Profile of study

Engineering of Pipeline Transport

general academic

Level of study

Course offered in

First-cycle studies

polish

Form of study

Requirements

part-time

elective

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

0

0

0

Tutorials

Projects/seminars

0

15

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

PhD Łukasz Semkło

email: lukasz.semklo@put.poznan.pl

Faculty of Environmental Engineering and Energy

phone : 61 6652213

Piotrowo 3 street, 60-965 Poznan

Prerequisites

Knowledge of issues related to the realized diploma topic. Is able to apply the scientific method in solving problems, carrying out experiments and inference. He knows the limits of his own knowledge and skills; can formulate questions precisely, understand the need for further education

Course objective

Deepening the knowledge and skills about organization and conducting scientific and technical works as well as presenting 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:

Thesis - progress of work presented in each class

Programme content

General part: types of qualifying work, including thesis and rules for their implementation, requirements for thesis. Formulation of technical problem and theses of work, literature study, methodical part of work, presentation of research results, development of insights and conclusions. Principles of editing the work, editing support, developing graphic elements, preparing work for printing and duplication.

Specialist part: presentation of theses carried out by the authors and discuss them.

Teaching methods

Thesis - progress of work presented by students during each class

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

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

Additional

1. Wojciechowska R., Przewodnik metodyczny pisania pracy dyplomowej. Wyd. DIFIN, 2010

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) ¹	310	13,0

¹ delete or add other activities as appropriate