



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Passing Project- Engineering of Pipeline Transport

### Course

Field of study

Year/Semester

Transport

3/6

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

full-time

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

4

### Number of credit points

5

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

PhD Łukasz Semkło

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Faculty of Environmental Engineering and  
Energy

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Piotrowo 3 street, 60-965 Poznan

### Prerequisites

The student has the basic knowledge on the subject to be addressed in the transitional work. The student is able to operate the selected computer word processor and correctly uses the language in which the work is to be written. The student is aware of the seriousness and importance of written scientific studies.

### Course objective

Completing a written essay on a given topic in accordance with generally applicable principles.

### Course-related learning outcomes

Knowledge



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 design means of transport with appropriate external requirements (e.g. regarding environmental protection)

#### Social competences

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:

Transition project - checking progress during each class

#### Programme content

Determining the detailed topic and title of the work and its substantive scope, indicating the sources of literature search; discussion of the work schedule, questions, comments and suggestions. Individual discussion with the student about the work plan and collected materials; plan approval by the teacher. The most important rules for writing papers on, among others work structures, literature records, descriptions of drawings and tables, editorial guidelines, etc. The most important rules for presenting papers. Submission of transitional essays and their short presentation in the dean's group forum. Individual discussion of corrected and assessed work.

#### Teaching methods

Design work - presentation of the progress of design work by students

#### Bibliography

##### Basic

1. Opoka E.: Uwagi o pisaniu i redagowaniu prac na studiach technicznych. Gliwice, Wydawnictwo Politechniki Śląskiej, 2003.

2. Bielec E., Bielec J.: Podręcznik pisania prac. Czy można prościej? Kraków, Wydawnictwo EJB, 2000.

##### Additional



### Breakdown of average student's workload

	Hours	ECTS
Total workload	125	5,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests) <sup>1</sup>	110	4,0

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