



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Interim paper - pipeline transport engineering

### Course

Field of study

Year/Semester

Transport

1/2

Area of study (specialization)

Profile of study

Pipeline transport engineering

general academic

Level of study

Course offered in

Second-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

4

### Number of credit points

5

### Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

dr inż. Łukasz Semkło

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Instytut Energetyki Ciepłej

ul. Piotrowo 3, 60-965 Poznań

### Prerequisites

Student has basic knowledge in the field of his interim project.

Student is able to use the text editor and is able to write correctly the interim paper in terms of language

Student is aware of the seriousness and importance of written scientific studies

### Course objective

Preparation of an interim paper on a given topic in accordance with the rules for scientific papers

### Course-related learning outcomes

Knowledge



Students know advanced methods, techniques and tools used in solving complex engineering tasks and conducting research in a selected area of transport

#### Skills

Student is able to prepare and present a scientific study in Polish and English, presenting the results of scientific research or an oral presentation on specific issues in the field of transport engineering

Student is able to obtain information from literature, databases and other sources (in Polish and English), integrate them, interpret and critically evaluate them, draw conclusions and formulate and exhaustively justify opinions

#### Social competences

Student understands the importance of using the latest knowledge in the field of transport engineering in solving research and practical problems

Student is aware of the need to develop professional achievements and to observe the rules of professional ethics

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Evaluation by the supervisor of the prepared interim paper in terms of content, methodology and editing

#### Programme content

Determining the detailed topic and title of the work and its scope, indicating the sources of literature searches; discussion of the work schedule, questions, comments and suggestions. Individual discussion with the student about the work plan and collected materials; approval of the plan by the teacher. The most important principles of writing works concerning, inter alia, work structure, literature, descriptions of figures and tables, editorial guidelines, etc. The most important rules for presenting the work. Submission of the written interim paper and their brief presentation to the dean's group. Individual discussion of the corrected and assessed work.

#### Teaching methods

Project method - individual implementation of the project with support from the interim paper supervisor.

#### Bibliography

##### Basic

Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2003



Additional

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### 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 (preparation of the work plan and writing interim paper) <sup>1</sup>	110	4,0

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