



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Passing Project [N2Trans1-TrN>PP]

### Course

Field of study

Transport

Year/Semester

1/2

Area of study (specialization)

Low-emission Transport

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

part-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

5,00

### Coordinators

prof. dr hab. inż. Jacek Pielecha

jacek.pielecha@put.poznan.pl

### Lecturers

### 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 knows 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:

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 interim paper and its substantive scope, indicating the sources of literature searches; discussion of the work schedule, questions, comments and suggestions. Discussion with the student about the work plan and collected data and information; approval of the plan by the teacher.

Submission of paper and discussion of the assessed work.

### Course topics

none

### Teaching methods

Project method (case study/discussion) - 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

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

Lenar P.: Profesjonalna prezentacja multimedialna. Wydawnictwo Helion, 2010

Additional

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

2. Urban S., Ładoński W.: Jak napisać dobrą pracę magisterską. Wrocław, Wydawnictwo Akademii Ekonomicznej im. Oskara Langego, 2003.

### Breakdown of average student's workload

|   | Hours | ECTS |
|---|-------|------|
| Total workload  | 125   | 5,00 |
| Classes requiring direct contact with the teacher   | 15    | 1,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 110   | 4,00 |