



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Year/Semester

Transport

2/3

Area of study (specialization)

Profile of study

Sustainable Transport

general academic

Level of study

Course offered in

Second-cycle studies

English

Form of study

Requirements

full-time

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

0

Tutorials

Projects/seminars

15

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

prof. dr hab. Agnieszka Merkisz-Guranowska

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Responsible for the course/lecturer:

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Institute of Transport

### Prerequisites

Knowledge of issues related to the diploma thesis

Student is able to apply scientific methods in solving problems, carrying out experiments and drawing conclusions

Student knows the limitations of his/her own knowledge and skills; is able to precisely formulate questions, understand the need for further education



### Course objective

Expanding the knowledge and skills on the organization and conduct of scientific and technical works and the presentation of the results of these works

### Course-related learning outcomes

#### Knowledge

Student knows advanced methods, techniques and tools used in solving complex engineering tasks and conducting research in a selected area of transport.

Student has knowledge of ethical codes related to scientific and research work in the field of transport engineering.

#### Skills

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.

Using among others conceptually new methods, the student is able to solve complex tasks in the field of transport engineering, including typical tasks and tasks with a research component.

The 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.

The student is able to determine the directions of further learning and implement the process of self-education, including other people.

#### Social competences

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

Student understands the importance of popularizing activities regarding the latest achievements in the field of transport engineering.

Student is aware of the need to develop professional achievements and to comply with the rules of professional ethics.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Evaluation based on presentation of the concept of diploma thesis and obtained research results.

### Programme content

First part:

1. Basic rules related to the methodology of diploma thesis. Choosing a topic and defining a research problem. Structure of the diploma thesis. Formal requirements for the preparation of the diploma thesis.



2. Editing requirements: layout, language style, technique of writing work, quoting literature.
3. Copyright and plagiarism issues.
4. Preparation for the diploma exam.

Second part:

Individual presentations by students containing: the scope of work, topic of the thesis, research problem, initial structure of the work, literature study, stages related to the implementation of theoretical chapters of the work and practical part.

### Teaching methods

Multimedia presentation. Discussion on the presented issues.

### Bibliography

Basic

1. Guidelines for the Preparation of Your Master's Thesis, <http://www.unk.edu/academics/gradstudies/admissions/grad-files/Grad%20Files/ThesisGdlnsFinal08.pdf>
2. Bagieńska-Masiota A., Diploma thesis as an object of copyright, Published in Acta Iuris Stetinensis. Volume 18. Page 5 - 28, 2017
3. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2003 (in Polish)
4. Wojciechowska R., Przewodnik metodyczny pisania pracy dyplomowej. Wyd. DIFIN, 2010 (in Polish)

Additional

1. <https://www.wikihow.com/Write-a-Master%27s-Thesis>
2. <https://www.oxbridgeessays.com/blog/guide-writing-masters-dissertation/>

### Breakdown of average student's workload

	Hours	ECTS
Total workload	40	2,0
Classes requiring direct contact with the teacher	15	1,0
Student's own work (literature studies, preparation of the thesis and presentation) <sup>1</sup>	25	1,0

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