# COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2TIIZM1E>SD]

## Course

Field of study
Information Technology for Smart and Sustainable Mobility

Year/Semester
2/4

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
English

Form of study
full-time

Requirements
compulsory

## Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
16

## Number of credit points

1,00

## Coordinators

dr hab. inż. Piotr Sawicki prof. PP
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## Lecturers

## 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:
The student has knowledge of development trends and the most significant recent achievements in the field of transport and IT systems, as well as in other selected related scientific disciplines
The student has knowledge of ethical codes related to scientific research conducted in the field of transport systems

Skills:
The student is able to obtain information from literature, databases, and other sources, integrate it, interpret and critically evaluate it, draw conclusions, and formulate well-justified opinions
The student is able to prepare and present a scientific study presenting research results or an oral presentation on specific issues in the field of transport engineering and its supporting tools
The student is able to identify directions for further learning and carry out the process of self-education

Social competences:
The student understands the importance of using the latest knowledge in transport engineering to solve research and practical problems and is prepared to seek expert opinions in case of difficulties with solving a problem independently
The student is aware of the need to develop their professional achievements, uphold the professional ethos, and adhere to the principles of professional ethics

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Practical work
Group project by course

## Programme content

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

## Course topics

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. Students presentations and 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

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 | 32 | 1,00 |
| Classes requiring direct contact with the teacher | 16 | 0,50 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 16 | 0,50 |