



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Year/Semester

Transport

4/7

Area of study (specialization)

Profile of study

Rail transport

general academic

Level of study

Course offered in

First-cycle studies

polish

Form of study

Requirements

part-time

elective

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

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Wydział Inżynierii Lądowej i Transportu

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Prerequisites

KNOWLEDGE: The graduate has a basic knowledge of the principles of conducting design and research work. He knows the importance of having adequate information in solving tasks.

SKILLS: The graduate student is able to search and integrate the obtained information, interpret it, draw conclusions, and use IT tools.

SOCIAL COMPETENCES: The graduate is aware of the importance and understands non-technical, especially formal and legal aspects and effects of the implementation of promotional engineering work.

Course objective

The objective of the course is to familiarize graduates with the requirements for an engineering diploma



thesis. Students acquire the ability to present and interpret the results of literature studies and own research. Additionally, students are acquainted with the methodology and technique of writing an engineering diploma thesis.

Course-related learning outcomes

Knowledge

1. The student knows the basic techniques, methods and tools used in the process of solving tasks in the field of transport, mainly of an engineering nature engineering
2. 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

1. The student is able to prepare and present, in Polish and English, a well-documented study of problems in the field of transport engineering, including oral presentations.
2. The student is able to organize, cooperate and work in a group, assuming various roles in it, and is able to properly define priorities for the implementation of a task set by himself or others
3. The student is able to plan and implement the process of own life long learning and knows the possibilities of further education (second and third degree studies, postgraduate studies, courses and exams conducted by universities, companies and professional organizations)

Social competences

1. The student is aware of the social role of a technical university graduate, in particular, he/she understands the need to formulate and transfer to the society, in an appropriate style, information and opinions on engineering activities, technological achievements, as well as the achievements and traditions of the transport engineer profession
2. 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:

Final credit, which is a grade resulting from partial marks for the speeches, the degree of realization of the diploma work, involvement in the speech, the form of preparation of the presentation, the quality of the selection of substantive information for the presented work, presence and active participation in the seminar, and the percentage of work advancement, confirmed by the promoter.

Programme content

Definition and division of scientific works, description of promotional works, presentation and discussion of the documents necessary to defend the thesis and the most important provisions of the regulations of full-time and part-time studies relating to theses defended at the Poznań University of Technology, formulation of the research problem of the thesis, discussion of the engineering thesis (introduction, main text, purpose, scope of the work, quoting literature, summary), presentation of the methods of including the table of contents, tables, drawings, references to literature in the work, reminder of the



principles of creating editorial and typographic studies in Polish, elements of copyright, discussion of the main components of the presentation of the thesis, discussion and presentation of their diploma thesis by students.

Teaching methods

Lecture, multimedia presentation and discussion on theses.

Bibliography

Basic

1. Praca zbiorowa pod redakcją Z. Kłosa.: Rozprawy naukowe. Wyd. Politechniki Poznańskiej, Poznań 2011.
2. Opoka E.: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych. Wydawnictwo Politechniki Śląskiej, Gliwice 1999.

Additional

1. Praca pod redakcją Bańko M.: Polszczyzna na co dzień. Wyd. PWN, Warszawa 2006.

Breakdown of average student's workload

| | Hours | ECTS |
|---|-------|------|
| Total workload | 350 | 15,0 |
| Classes requiring direct contact with the teacher | 40 | 2,0 |
| Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹ | 310 | 13,0 |

¹ delete or add other activities as appropriate