COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Transport

Year/Semester

4/7

Area of study (specialization)

Road Transport

Profile of study

general academic

Level of study

First-cycle studies

Course offered in

Polish

Form of study

part-time

Requirements

elective

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

15

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

dr hab. inż. Marian Jósko, prof. PP.

email: marian.josko@put.poznan.pl

tel. (61) 665 22 47

Faculty of Civil and Transport Engineering

ul. Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

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 acquaited with the methodology and technique of writing an engineering diploma thesis.

Course-related learning outcomes

Knowledge

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

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

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.

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

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

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

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

- Introduction and organization of the subject - a repetition of the formal, legal and methodological foundations for the preparation and realization of the engineering diploma thesis and setting the dates of individual speeches of graduates in accordance with the subject of the diploma thesis.

- Fundamentals of the methodology presentation, concerning the subject of engineering thesis - presentation of the subject of the diploma work, its genesis, the purpose, the tasks, the way of achieving

the goal, and the scope in the form of a work plan, and literature related to the subject of engineering work (presentation in Power Point, used to a large extent for the preparation of the thesis for defense).

- Individual presentations of engineering thesis - individual speeches of graduates with presentations of the subject, genesis, goal and diploma work plan; discussion of the structure of the work and substantive issues of the work and own original contribution; comments and summary of students' speeches by the teacher.

- Presentation of the realization of the engineering thesis - individual reporting on the progress of diploma work, written in a text editor, containing graphic objects, and results of own engineering studies, testing, research, both completed activities and in progress. Reporting the obtained results and their interpretation, presentation of possible problems with the realization of the work; discussion.

- Summary of the stage of engineering thesis - summary of individual speeches graduate students related to the realization of engineering diploma works; discussion with current presenters and other seminar participants.

- Preparation for the defense of an engineering diploma work, reminding of formal requirements to work at the Faculty as well as documents and preparatory procedures for the defense of the diploma thesis; giving preliminary dates for the defence of engineering works.

Teaching methods

1. Individual multimedia presentations of the graduates in Power-Point of the subject, genesis, goal and diploma work plan.

2. Individual multimedia presentations of graduates in a text editor (Word) of the progress of writing the diploma work.

3. Discussion on the speeches with the participation of graduate students and summary by the lecturer.

Bibliography

Basic

1. Gambrelli G., Łucki Z.: Thesis / Praca dyplomowa. AGH University of Science and Technology Publishing Hause, Cracow, 2011 (in Polish).

2. Wojciechowska R.: Methodological guide for writing the thesis / Przewodnik metodyczny pisania pracy dyplomowej. DiFir SA Publishing Hause , 2010 (in Polish).

3. Knop Zb.: Methodology of writing thesis / Metodyka pisania prac magisterskich i dyplomowych. Poznan Publishing Hause, Poznan, 2009 (in Polish).

4. Majchrzak J., Mendel T.: Methodology of writing master's and diploma theses / Metodyka pisania prac magisterskich i dyplomowych. University of Economics in Poznań Publishing Hause , Poznań, 2009 (in Polish).

5. Sójka Z., Popow G., Zawal W.: Guidebook for thesis writing / Poradnik pisania prac dyplomowych. Baltic Higher Humanistic School Publishing Hause , Koszalin, 2006 (in Polish).

Additional

1. Leszek W.: Selected methodological issues of empirical research / Wybrane zagadnienia metodyczne badań empirycznych. ITE Edition, Radom, 2006 (in Polish).

2. Cempel C.: Modern issues of research methodology and philosophy / Nowoczesne zagadnienia metodologii i filozofii badań. Ed. ITE and PW, Radom-Warsaw, 2005 (in Polish).

3. Kwaśniewska K.: How to write thesis (practical tips) / Jak pisać prace dyplomowe (wskazówki praktyczne). Bydgoszcz, KPSW Publishing House, 2005 (in Polish).

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