



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

		Course
Field of study		Year/Semester
Construction and Exploitation of Means of Transport		4/7
Area of study (specialization)		Profile of study
Motor Vehicles		general academic
Level of study		Course offered in
First-cycle studies		Polish
Form of study		Requirements
part-time		compulsory

		Number of hours
Lecture	Laboratory classes	Other (e.g. online)
0	0	0
Tutorials	Projects/seminars	
0	9	
Number of credit points		
15		

		Lecturers
Responsible for the course/lecturer:		Responsible for the course/lecturer:
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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 graduate student knows the rules of preparation, formal and legal basis for the realization of the engineering diploma thesis, and achieving the set goal.
2. Knows the basics of creative ethics - avoiding plagiarism, quoting and displaying original achievements.
3. Knows the necessary editorial basics and techniques of writing a study in a text / formula editor.
4. Knows the rules for presenting and interpreting the results of the work performed during the diploma thesis.
5. Knows the steps and procedure of formal preparation for defense of diploma work, and the course of defense.

Skills

1. Student is able to carry out research / design an object or technology, and conduct a review analysis necessary to achieve the goal of the diploma work.
2. Can formulate the subject, genesis and tasks of engineering thesis, resulting from its scope.
3. Is able to develop the results and interpret the results of their activities and present the resulting conclusions.
4. Knows the rules of presenting and interpreting the results of own work performed during the realization of the diploma thesis.
5. Can compose a multi-page study, in accordance with the rules, in a text editor.
6. Can write summaries in Polish and in foreign languages, and correctly write and quote the referenced literature.

Social competences

1. Student acquires awareness of the need to use the knowledge obtained during the entire studies in order to correctly perform the tasks related to his competences.
2. Is aware of the importance of engineering diploma thesis as a form of professional and social promotion.
3. Can assess the effects of non-compliance with the formal, legal and ethical principles of work implementation.
4. Can independently develop his knowledge and set directions for further activities.



5. Acquires teamwork skills in the case of diploma work carried out by more than one author.

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 House, Cracow, 2011 (in Polish).
2. Wojciechowska R.: Methodological guide for writing the thesis / Przewodnik metodyczny pisanie pracy dyplomowej. DiFir SA Publishing House , 2010 (in Polish).
3. Knop Zb.: Methodology of writing thesis / Metodyka pisanie prac magisterskich i dyplomowych. Poznan Publishing House, Poznan, 2009 (in Polish).
4. Majchrzak J., Mendel T.: Methodology of writing master's and diploma theses / Metodyka pisanie prac magisterskich i dyplomowych. University of Economics in Poznań Publishing House , Poznań, 2009 (in Polish).
5. Sójka Z., Popow G., Zawal W.: Guidebook for thesis writing / Poradnik pisanie prac dyplomowych. Baltic Higher Humanistic School Publishing House , 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	375	15,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	350	14,0

¹ delete or add other activities as appropriate