



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma Seminar

### Course

Field of study

Year/Semester

Construction and Exploitation of Means of Transport

2/3

Area of study (specialization)

Profile of study

Machines

general academic

Level of study

Course offered in

Second-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

0

0

0

Tutorials

Projects/seminars

0

15

### Number of credit points

9

### Lecturers

Responsible for the course/lecturer:

dr hab. inż. Jaroslaw Selech prof. PP

Responsible for the course/lecturer:

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### Prerequisites

Student has general and technical knowledge acquired throughout the current educational process, necessary for solving complex engineering tasks of a project. Student is able to read technical texts in English. Able to solve computational tasks in the field of construction machinery. Able to effectively communicate with colleagues.

Able to work in a group

### Course objective

To familiarize students with the demands of engineering thesis.

The acquisition of skills by the students to present and interpret the results

literature studies, and own research. To familiarize students with the methodology



and technology of engineering thesis writing.

### Course-related learning outcomes

#### Knowledge

Has enriched knowledge of the principles of machines designing, principles of publications and technical descriptions

#### Skills

1. Student can plan and execute a complex action whose aim is solving the technical problem
2. Can develop complex technical documentation of the machine
3. Knows how to present and justify their own technical design

#### Social competences

Student has developed social skills in a professional environment.

Student understands function and significantly and responsibility of engineer in human society

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Rating of a presentation prepared in the class.

Evaluation of expression and activity in the discussion during the class.

The student prepares two presentations per semester. The first end of the first half of the semester relates to the overall design work and review of previous work in the second half of the semester, the student presents the results of his work so far, ie the solution of the engineering and preliminary version of the presentation, to be presented at the final exam.

### Programme content

Methodology of thesis writing: system work breakdown structure content, the chapters, the selection of sources. Technical guidelines for writing a thesis in the field of prose, layout, copyright, citation of literature and logic to justify the concept of assertions and conclusions. Presentation in the form of seminar issues of student theses. Presentation and discussion of preliminary results, which are the subject of research in the forthcoming thesis combined with the discussion.

### Teaching methods

1. Participation in seminars
2. Consultation
3. Literature studies
4. Working out calculations and drawings
5. Edition of the text



6. Preparing a presentation at a seminar and diploma exam

7. Diploma exam

### Bibliography

Basic

Additional

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	15,0
Classes requiring direct contact with the teacher	40	3,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	50	12,0

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