



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Proseminar

### Course

Field of study

Mechanical and Automotive Engineering

Area of study (specialization)

-

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

3/6

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

### Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

dr hab. inż. Michał Libera

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Responsible for the course/lecturer:

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### Prerequisites

General knowledge in the field of study and detailed knowledge related to the selected specialization

### Course objective

Providing information about the origins of the creation, forms and methods of completing diploma theses.

### Course-related learning outcomes

Knowledge

Has ordered basic knowledge of the main divisions of technical mechanics: statics, kinematics and dynamics of a material point and a rigid body.



Has basic knowledge of manufacturing techniques used in the engineering industry, such as casting, forming, reducing and incremental machining, welding and other joining techniques, cutting, coating and surface treatments.

Has basic knowledge of law, in particular security, copyright and security law, industrial property and its influence on the development of technology.

#### Skills

Can obtain information from literature, the Internet, databases and other sources. Can integrate the obtained information, interpret and draw conclusions from it, and create and justify opinions.

Can use computer office packages for editing technical texts, including formulas and tables, technical and economic calculations using a spreadsheet and running a simple relational database.

Can use in verbal communication one additional foreign language at the B2 level of the European System for the Description of Languages Education.

#### Social competences

Is ready to critically assess his knowledge and received content

Is ready to initiate actions for the public interest.

Is ready to fulfill professional roles responsibly, including:

- observing the rules of professional ethics and requiring this from others, - caring for the achievements and traditions of the profession.

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Test - 2 points (eCourse test with multiple choice questions).

Oral answer - 1 point (two questions related to the course).

Diploma thesis plan - 1 point (as a PDF file should be sent to eKursy).

Activity - 1 point (activity during classes or in another form agreed at the beginning of the semester).

The final grade results from the sum of points obtained for the above criteria, rounded to the academic scale.

#### Programme content

Development of literature and education in Europe and Poland (University and technical higher education). The genesis and role of theses. Types of diploma theses in technical studies.



The role of the promoter (student tutor). The layout of the thesis, work plan, types of information sources and rules of using them, carrying out the tasks of the thesis. Principles of description of the obtained results. Requirements for the edition of the work. Archiving of the work and its evaluation by the anti-plagiarism system. Documents for the final examination, formal requirements. Preparation for the diploma examination, self-presentation, presentation. Course of the final exam.

### Teaching methods

Lecture - presentation with detailed comments and discussion

### Bibliography

#### Basic

1. Dobrze obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa 2001
2. Leszek W., Wybrane zagadnienia metodyczne badań empirycznych. Instytut Technologii Eksploatacji, Radom 2006
3. Szubert-Zarzewny U., Technika pisania prac o charakterze naukowym, Wyd. Wyższa Szkoła Zarządzania
4. Wisłocki K. Metodologia i redakcja prac naukowych, wyd Politechniki Poznańskiej, 2013,

#### Additional

1. Wojciechowska R., Przewodnik metodyczny pisania pracy dyplomowej. Wyd. DIFIN, 2010

### Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for tutorials, preparation for tests) <sup>1</sup>	10	0,5

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