



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Mechanical and Automotive Engineering

Area of study (specialization)

Product Engineering

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

english

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

15

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

Prof. Zbigniew Klos, Ph.D.(Eng.), D.Sc.

Responsible for the course/lecturer:

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Faculty of Civil and Transport Engineering

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### Prerequisites

KNOWLEDGE: Student has the basic knowledge from his/her field of study, specialization, preliminary seminar and area of diploma work.

SKILLS: Student possesses ability of integrating and interpreting obtained information, of drawing the conclusions, formulating and justifying the opinions



**SOCIAL COMPETENCES:** Student has the consciousness of the validity of different form of communication, especially in reporting engineering works

### Course objective

Acquaintance the students with principles of preparing the written elaborations, monitoring of progress of diploma work development, elaborating the diploma work and preparing to the defence of diploma work thesis

### Course-related learning outcomes

#### Knowledge

Has knowledge of the principles of safety and ergonomics in the design and operation of machines and the threats that machines pose to the natural environment.

Has general knowledge of standardization, EU recommendations and directives, national, industry and international standards systems, and industrial standards.

Is aware of the civilization effects of technology.

#### Skills

Can communicate on specialist topics with a diverse audience.

Can use the international language in contacts with specialists in his field of study at the B2 + level.

Can write a technical and scientific study in a foreign language on the basis of literature and other sources of information, including internet sources, and present an oral presentation.

#### Social competences

He is ready to critically assess his knowledge and received content.

It is ready to initiate actions for the public interest.

Is ready to fulfill professional roles responsibly, taking into account changing social needs, including:

- developing the professional achievements,
- maintaining the ethos of the profession,
- observing and developing the rules of professional ethics and acting towards the observance of these rules.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Control test, master thesis

### Programme content

Publication variety of forms used for engineering and scientific works presentation. Definition of master diploma work. Structure and forms of engineering diploma work, at the master level. Presentation and



discussion about elaboration of main parts of diploma work. Editing rules of diploma work. Analysis of diploma works based on cases. Preparation of ppt presentation on diploma works thesis. Live presentations of progress in diploma work realization and presentations prepared to the defence of diploma work thesis.

### Teaching methods

Lecture with multi-media presentation, consultations

### Bibliography

Basic

1. Graduate certificates and diplomas. Institute of Continuing Education, University of Cambridge Press, Cambridge 2017
2. The European Higher Education Area: Bologna Process Implementation Report. Publications Office of the European Union, Luxembourg 2015

Additional

1. Mammela , How to Get a PhD. Methods and practical hints [in:] Proceedings of III Interdisciplinary Technical Conference of Young Scientists INTERTECH, Poznan University of Technology, Poznan 2010

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	15	1,0
Study on master thesis form, preparation of master thesis content <sup>1</sup>	35	1,0

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