



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Preparation of a diploma thesis

### Course

Field of study

Management and Production Engineering

Area of study (specialization)

Production control

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

elective

### Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

60

### Number of credit points

11

### Lecturers

Responsible for the course/lecturer:

Krzysztof Grześkowiak, PhD, DSc, Eng.

Responsible for the course/lecturer:

Diploma theses supervisors

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Faculty of Mechanical Engineering

Piotrowo 3, 60-965 Poznań

### Prerequisites

The student has the knowledge and skills necessary to complete the diploma thesis acquired during classes in semesters 1-3.

### Course objective

Improving knowledge and skills in planning and conducting scientific research as well as the ability to present the results of this work.

### Course-related learning outcomes

Knowledge

The student should know the rules related to the editing of a diploma thesis (structure, editorial



requirements, sources of obtaining knowledge, bibliographic principles used in preparing a literature review).

Be able to define the topic and purpose of the diploma thesis and formulate the scope of the topic (issues subsequently developed in the diploma thesis).

Knows the substantive scope of the diploma examination.

#### Skills

The student is able to analyze the literature on the subject.

The student is able to present the scope of the topic, the main assumptions and purpose of the work and report its important fragments. Verbalize the acquired knowledge and present it in various ways (multimedia presentation, paper, speech, discussion).

The student is able to formulate conclusions from the work performed.

#### Social competences

Able to cooperate in a group.

He will act in accordance with ethical principles.

He is able to express his assessment and justify it.

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

Learning outcomes presented above are verified as follows:

Completing the course based on:

- evaluation of the presented diploma thesis,
- regularity of its execution (timely manner),
- ability to independently solve technical problems.

#### Programme content

1 Consistent with the topic of the diploma thesis.

#### Teaching methods

Discussion with the diplomat on currently emerging problems, ongoing explanations or providing sources in the literature on the topic in order to solve the tasks.

#### Bibliography

Basic

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



2. Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych Wyd. Politechniki Śląskiej Gliwice 2001
3. Diakun J., Szablon pracy dyplomowej, <http://pm.put.poznan.pl/strefa-studenta/instrukcje-do-zajec-laboratoryjnych/>
4. Literatura naukowa oraz techniczna niezbędna do przygotowania pracy dyplomowej.

Additional

1. Dobre obyczaje w nauce. Zbiór zasad i wytycznych (wyd. 3), Wyd. PAN Warszawa, 2001.

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	275	11,0
Classes requiring direct contact with the teacher	60	2,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	215	8,5

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