



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar 1

Course

Field of study

Management and production engineering

Area of study (specialization)

Production systems

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

polish

Requirements

elective

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

Number of credit points

8

Lecturers

Responsible for the course/lecturer:

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Faculty of Mechanical Engineering

Piotrowo 3, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Knowledge of production systems and production engineering.

Course objective

Preparation for developing and delivering a paper, selecting the topic of the thesis and specifying the purpose and scope of the thesis.

Course-related learning outcomes

Knowledge

1. Has detailed knowledge of various product manufacturing systems.



2. Has knowledge of product quality and production management.
3. Has knowledge of: writing a research paper, collecting and analyzing literature, conducting research, preparing speeches, conducting research, conducting discussions and polemics

Skills

1. Can obtain information from literature, databases and other properly selected sources (also in English) in the field of production engineering and other engineering and technical issues consistent with the field of study; is able to integrate the obtained information, interpret it, as well as draw conclusions and formulate and justify opinions.
2. Is able to develop documentation on the implementation of an engineering task in the field of production engineering and prepare a text containing an overview of the results of this task.
3. Can prepare and present a short presentation devoted to the results of an engineering task in the field of production engineering (technology, organization, quality control).
4. Can prepare and write a research paper, conduct experimental research, prepare public speeches, conduct discussions and polemics.

Social competences

1. Can cooperate with the team.
2. Can properly define priorities for the implementation of tasks set by himself or others.
3. Correctly identifies and resolves dilemmas related to the profession.
4. Is aware of the social role of a technical university graduate, and especially understands the need to formulate and transfer information and opinions to the society on the achievements of technology and other aspects of engineering activities; makes efforts to provide such information and opinions in a commonly understandable manner.
5. Understands responsibility for independent publications (especially in the use of the publications of others).

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Assessment of the seminar papers - selected issue plus literature studies for the diploma thesis.

Presentation and discussion of the diploma thesis topic card.

Programme content

The structure of the diploma thesis. Principles of preparing and writing a thesis. Characterization of the substantive area, formulation of the purpose of the work and its scope. Selection and presentation of work methodology. Presentation of the selected issue according to the established chronological and



substantive scheme. Choosing a job promoter. Setting the topic of work in close contact with the supervisor. Presentation of the outline of a selected issue related to the topic of work. Panel discussions. Presentation of the part of the thesis on literary studies.

Teaching methods

Seminar, consultations on implemented projects, workshops - discussions on the presented diploma projects.

Bibliography

Basic

1. Selected individually.

Additional

1. Selected individually.

Breakdown of average student's workload

	Hours	ECTS
Total workload	200	8,0
Classes requiring direct contact with the teacher	100	4,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	100	4,0

¹ delete or add other activities as appropriate