



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Management and Production Engineering

Area of study (specialization)

Quality management

Level of study

Second-cycle studies

Form of study

part-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

8

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

Prof. PhD. Eng. Adam Hamrol

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Faculty of Mechanical Engineering

Piotrowo street 3, 60-965 Poznań

Responsible for the course/lecturer:

Prerequisites

Student knows the basic techniques of production and has knowledge of production management at the level of the second cycle of studies, student is able to characterize the production processes, determine the cost associated with their implementation. He can use production control methods, knows how to use basic IT tools in the area of production management, can work in a team, sees the need for continuous training.

Course objective

acquiring the practical ability to apply the knowledge gained during studies to develop a master's thesis (characterizing the substantive area, formulating the aim of the work and its scope). Generating theses



topics, selection of promoters. Students (together with the supervisor during consultations) define detailed tasks to be performed

Course-related learning outcomes

Knowledge

1. has knowledge of project management (project, thesis) - [K2_W09]
2. has knowledge of making decisions when selecting research methods - [K2_W12]
3. has the knowledge necessary to understand the social, economic and legal conditions of technical activity - [K2_W07]
4. knows the basic methods and techniques for solving complex tasks - [K2_W08]

Skills

1. student is able to plan and implement design tasks in accordance with the schedule - [K2_U06]
2. can make conclusions at the stage of topic analysis, select methods and means to perform tasks - [K2_U14]
3. is able to select and apply appropriate research methods to the specificity of tasks - [K2_U17]

Social competences

1. student understands the need for lifelong learning; can inspire and organize the learning process of other people - [K2_K01]
2. can define priorities for the implementation of a specific task - [K_K04]
3. can cooperate and work in a group - [K2_K03]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Credit on the basis of the presentation of issues related to education in the field of Management and Production Engineering (part 1) and the presentation of the topic and scope of the master's thesis in the field of: goals, methods of solving the given problem and schedule, and approval of the thesis topic by the promoter

Programme content

Characteristics of master's theses (design, technology, production organization, research, review, theoretical). Discussion on sample master's theses (goals, scope, volume, literature). Differences between thesis and engineering thesis. The structure of the thesis. Editorial requirements. Characterization of the substantive area, formulation of the aim of the work and its scope. Selection of literature for the scope of work. Review of knowledge acquired during studies, part 1 (presentations prepared by students). Choosing a promoter, determining the subject and area of the thesis

Teaching methods



Multimedia presentations, team discussion

Bibliography

Basic

1. Thesis template , <http://pm.put.poznan.pl/strefa-studenta/prace-dyplomowe/>
2. R. Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej, Wyd. DIFIN, Warszawa 2010
3. E. Opoka: Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2001

Additional

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

Breakdown of average student's workload

| | Hours | ECTS |
|---|-------|------|
| Total workload | 100 | 4,0 |
| Classes requiring direct contact with the teacher | 23 | 1,0 |
| Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹ | 77 | 3,0 |

¹ delete or add other activities as appropriate