



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar [S2ZiIP2-liZJ>SDy]

Course

Field of study

Management and Production Engineering

Year/Semester

2/3

Area of study (specialization)

Quality Engineering and Management

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

0

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

30

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

The student knows basic manufacturing techniques and has knowledge of production management at the level of second-cycle studies. The student can characterize production processes, determine the cost associated with their implementation. Can apply quality management methods and tools in practice. Can work in a team and recognizes the need for continuous learning. The student knows the rules related to editing a diploma thesis. Has the skill to develop a literature review. Has a defined aim of the diploma thesis and a formulated scope of the subject.

Course objective

To acquire a practical skill to apply knowledge acquired during studies to the development of a master's thesis and a skill to conduct a scientific discussion in the thematic area related to a diploma thesis. To acquire a skill to apply the obtained knowledge to conduct research. To define research tasks to be performed (characterizing the substantive area with a supervisor during consultations).

Course-related learning outcomes

Knowledge:

The student has knowledge of the principles of drawing up analyses, editing text. Has knowledge related

to project management (project, diploma thesis). Knows basic methods and techniques for conducting research tasks. Has knowledge related to making decisions when choosing research methods.

Skills:

The student can plan and carry out activities related to writing a diploma thesis (including experiments, computer simulations, etc.); can correctly interpret the obtained results and draw conclusions. Can select and apply appropriate research methods to the specificity of tasks. Can prepare a well-documented technical study in Polish and English and give a presentation.

Social competences:

The student understands the need for lifelong learning; can inspire and organize the learning process of others. Can define priorities for the implementation of a specific task. Can cooperate and work in a team. Bears responsibility for independently prepared publications (especially in the range of using the publishing achievements of others).

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 and the presentation of master's thesis in the range of aims, methods of solving a problem and schedule.

Programme content

Preparing a student to write a diploma thesis.

Research methodologies.

Selection and assignment of a supervisor.

Course topics

1. Discussion of sample master's theses (objectives, scope, volume, literature). Differences between master's thesis and engineering thesis.
2. Review of knowledge gained during the study (presentations prepared by students). Selection of a supervisor, determination of the topic and area of the master's thesis.
3. Characterization of research methods that can be used in master's thesis.
4. Characterization of the substantive area, formulation of the research objective of the thesis and its full scope.
5. Final generation of the thesis topic.
6. Selection of literature for the scope of the thesis.
7. Presentations of the theoretical part of the thesis by students.
8. Presentations of the research part of the thesis by students.
6. Conducting scientific discussion in the subject area related to the thesis.

Teaching methods

Seminar, colloquium, consultations in the area of implemented projects, workshops - discussions regarding the presented diploma projects.

Bibliography

Basic:

Diakun J., Szablon pracy dyplomowej, <http://pm.put.poznan.pl/strefa-studenta/instrukcje-do-zajec-laboratoryjnych/>

Wisłocki K., Metodologia i redakcja prac naukowych, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

Opoka E., Uwagi o pisaniu i redagowaniu prac dyplomowych na studiach technicznych, Wyd. Politechniki Śląskiej, Gliwice 2001

Additional:

Additional literature selected individually

Breakdown of average student's workload

| | Hours | ECTS |
|--|-------|------|
| Total workload | 50 | 2,00 |
| Classes requiring direct contact with the teacher | 30 | 1,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 20 | 1,00 |