COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [N2ZiIP2-IiZJ>SD]

Course

Field of study
Management and Production Engineering

Year/Semester
2/4

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
part-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
16

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 on sample master's theses (aims, scope, volume, literature). Differences between a master's thesis and an engineering thesis.
2. Overview of knowledge gained during studies (presentations prepared by students). Selection of a supervisor, determination of the subject and area of a master's thesis.
3. Characteristics of research methods that can be used in diploma master's theses.
4. Characterization of the substantive area, formulation of the research aim of a thesis and its scope.
5. Final generation of the subject of a thesis.
6. Selection of literature for the scope of a thesis.
7. Presentations of diploma theses by students (theoretical and/or practical part).
8. Presentations of the research part of diploma theses by students.
9. Conducting a scientific discussion in the thematic area related to a diploma 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	16	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	34	1,50