COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2ZiIP2-STPR>SDy]

Course

Field of study
Management and Production Engineering

Year/Semester
2/3

Area of study (specialization)
Production control

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 second-cycle level of studies. The student is able to: characterize production processes, determine the costs associated with their implementation. Is able to use production control methods and is able to apply basic IT tools in the area of production management. He is able to work in a team and recognizes the need for continuous education. The student knows the rules related to editing a diploma thesis. Has the ability to prepare a literature review. It has a defined purpose of the diploma thesis and a formulated scope of the topic.

Course objective

Acquiring the practical ability to apply the knowledge acquired during studies to develop a master's thesis and acquiring the ability to conduct a scientific discussion in the thematic area related to the diploma thesis. Acquiring the ability to apply the acquired knowledge to conduct research. Defining the research tasks to be performed (characterization of the substantive area together with the supervisor during consultations).

Course-related learning outcomes

Knowledge:

The student has knowledge of the principles of writing studies and editing texts. Has knowledge in the field of project management (project, diploma thesis). Knows basic methods and techniques for solving research tasks. Has knowledge of making decisions when selecting research methods.

Skills:
The student is able to plan and conduct experiments, computer simulations, interpret the obtained results and draw conclusions. Is able to draw conclusions at the stage of analyzing the topic, select methods and means to perform tasks. He can prepare a well-documented technical study in Polish and English and give a presentation. Is able to select and apply appropriate research methods to the specificity of tasks.

Social competences:
The student understands the need for lifelong learning; can inspire and organize the learning process of other people. Is able to determine priorities for implementing a specific task. Able to cooperate and work in a group. Is responsible for independently prepared publications (especially in terms of using the publications of others).

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Pass based on the presentation of issues related to education in the field of Management and Production Engineering and the presentation of the master's thesis regarding: goals, methods of solving the 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, consultations on ongoing projects, workshops - discussions on the presented diploma projects.

Bibliography

Basic:
Diakun J., Szablon pracy dyplomowej, http://pm.put.poznan.pl/strefa-studenta/instrukcje-do-zajec-laboratoryjnych/
Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej, Wyd. DIFIN, Warszawa 2010.
E. Opoka: 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