COURSE DESCRIPTION CARD - SYLLABUS

Course name
Pre-diploma seminar [S2ZiIP2-STPR>SPr]

Course

Field of study
Management and Production Engineering

Year/Semester
1/2

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
15

Number of credit points

1,00

Coordinators

dr hab. inż. Krzysztof Żywicki
krzysztof.zywicki@put.poznan.pl

Lecturers

Prerequisites

The student has basic knowledge of the programs and subjects intended for ZiIP students at the second stage of studies. Has the ability to think logically, use various sources of information (library, Internet) and process acquired information, and use programs for editing text and graphic documents. Understanding the need to learn, acquire new knowledge, organize the information obtained, verbalize one's own conclusions (self-presentation)

Course objective

The aim of the course is to generate topics for diploma theses, specify the goals and scope of work in the field of diploma production control.

Course-related learning outcomes

Knowledge:
The student knows the rules related to the editing of a diploma thesis (structure, editorial requirements, sources of obtaining knowledge, bibliographic principles used in preparing a literature review). It has a defined purpose of the diploma thesis and a formulated scope of the topic (issues subsequently developed in the diploma thesis). Knows the substantive scope of the diploma examination.

Skills:
Student Is able to analyze the literature on the subject; present the scope of the topic, main assumptions and purpose of the work and report its important fragments. Has the ability to verbalize the acquired knowledge and present it in various ways (multimedia presentation, paper, speech, discussion). Is able to formulate conclusions from the work performed.

Social competences:
The student is able to cooperate in a group. Will act in accordance with the principles of ethics. He is able to express his assessment and justify it.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The seminar will be passed based on the grades obtained from the presentation. The condition for passing the seminar is to have a defined goal and scope of work agreed with the supervisor.

Programme content

Preparation to write a master's thesis.
Editorial requirements.
Selection and presentation of work methodology.
Selecting a thesis supervisor, determining the topic of the thesis in close contact with the supervisor; - presenting an outline of the selected work topic.

Course topics

1. Characteristics of master's theses (structural, technological, production organization, research, review, theoretical).
2. Structure of the thesis.
3. Editorial requirements.
4. Characterization of the substantive area, formulation of the purpose of the thesis and its scope.
5. Selection and presentation of the methodology of the thesis: inference at the stage of analysis of the topic, selection of methods and means to be performed by the experiment, modeling, statistical analysis of results, measures of variability, statistical verification of hypotheses, final conclusions with innovative, practical or theoretical emphasis.
6. Formal principles of developing a literature review and student's own research.
7. Issues common to groups of students with examples - preparation of a paper in groups, discussion.
8. Selection of a thesis supervisor, determination of the topic of the thesis in close contact with the supervisor - presentation of an outline of the selected topic of the thesis and its relevant parts.

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	25	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	10	0,50