



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Prediploma seminar [S1ZiIP2>SPD]

Course

Field of study

Management and Production Engineering

Year/Semester

3/6

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-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 inż. Jakub Grabski
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Lecturers

Prerequisites

The student has basic knowledge of the programs and subjects provided for students of the ZiIP major at the first level of studies. Has the ability to think logically, use various sources of information (library, Internet) and process acquired information, use programs for editing text and graphic documents. Understands the need to learn, acquire new knowledge, organize acquired information, 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. Selection of supervisors for diploma theses.

Course-related learning outcomes

Knowledge:

The student knows the principles related to editing a diploma thesis (structure, editorial requirements, sources of knowledge, bibliographic principles used in developing a literature review). The purpose of the diploma thesis has been defined and the scope of the topic has been formulated (issues developed later in the diploma thesis). The student knows the substantive scope of the diploma exam.

Skills:

Is able to analyze the literature on the subject; present the scope of the topic, main assumptions and the 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:

Is able to work in a group. Will act in accordance with the principles of ethics. Is able to express his/her assessment and justify it.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The seminar will be graded 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

Characteristics of engineering diploma theses. Structure of the diploma thesis. Editorial requirements. Preparation and presentation of the paper. Determination of the topic of the diploma thesis in close contact with the supervisor.

Course topics

The student completes a seminar focused on one of the following areas:

- design of technological processes,
- supervision and control of production processes
- computerisation of production processes.

The pre-diploma seminar covers the following topics:

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

Teaching methods

Multimedia presentations, discussion.

Bibliography

Basic:

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:

Selected literature related to the topics of diploma theses

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