



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Pre-diploma seminar

Course

Field of study

Management and production engineering

Area of study (specialization)

Production control

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

Profile of study

general academic

Course offered in

polish

Requirements

elective

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

15

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

dr Krzysztof Żywicki

Responsible for the course/lecturer:

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Faculty of Mechanical Engineering

Piotrowo 3 Str., 60-965 Poznań

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

1. characteristics of master's theses (design, technology, production organization, research, review, theoretical);
2. structure of the diploma thesis;
3. editorial requirements;
4. characterizing the substantive area, formulating the purpose of the work and its scope;
5. selection and presentation of work methodology: reasoning at the stage of topic analysis, selection of methods and means to be carried out through experiment, modeling, statistical analysis of results, measures of variability, statistical verification of hypotheses, final conclusions with innovative, practical or theoretical accents.
6. formal rules for preparing a literature review and the student's own research; 7. issues common to student groups based on examples - preparation of a paper in groups, discussion; 8. selection of the thesis supervisor, determining the topic of the thesis in close contact with the supervisor; - presenting an outline of the selected topic of the work and its important fragments.

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 pisanie 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	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	10	0,5

¹ delete or add other activities as appropriate