COURSE DESCRIPTION CARD - SYLLABUS

Course name
Pre-diploma seminar [S2MiBM2-INPR>SP]

Course

Field of study
Mechanical Engineering

Year/Semester
1/2

Area of study (specialization)
Production Engineering

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other (e.g. online)
0

Tutorials
0

Projects/seminars
15

Number of credit points

1,00

Coordinators

dr hab. inż. Marek Szostak prof. PP
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Lecturers

Prerequisites

The student has basic knowledge in the field of programmes and subjects provided for students of Mechanical Engineering at the level of second-cycle studies. In particular, he is aware of the role and importance of technology in the functioning of enterprises. The student has the ability to think logically, use various sources of information (PUT Library e-sources, Internet) and process acquired data and information, and use programs for editing text and graphic documents. The student understands the need to learn, acquire new knowledge, skillfully argue and communicate one's own observations and conclusions, as well as correct self-presentation.

Course objective

Preparation for the diploma exam. Selecting the topic of the diploma thesis and specifying the purpose and scope of the diploma thesis.

Course-related learning outcomes

Knowledge:
The student knows the topics of diploma theses in production engineering. The student knows the importance of the selected topic of the diploma thesis on the functioning of the enterprise or the

development of production engineering. The student knows the substantive scope of the diploma examination. The student knows the rules related to the editing of a diploma thesis (structure, editorial requirements, sources of obtaining knowledge, rules for preparing lists of bibliographic data resulting from referring to studies contained in the literature).

Skills:
The student is able to analyze and synthesize the literature on the subject. The student is able to present the scope of the diploma thesis topic, the main assumptions and the purpose of the work. The student is able to verbalize the acquired knowledge and present it in various ways (multimedia presentation, paper, speech, discussion). The student is able to formulate conclusions from the work performed.

Social competences:
The student is able to understand the need for lifelong learning and is able to inspire the learning process of other people. The student is aware of the social role of a technical university graduate, is able to express his or her assessment and justify it with substantive arguments. The student is able to act in an entrepreneurial manner. Acts in accordance with the principles of student and researcher ethics.

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. Participation in the discussion. The condition for passing the seminar is to agree on the topic of the diploma thesis with the supervisor.

Programme content

1. Characteristics of master's theses (design, 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 work methodology;
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 an individual report, discussion;
8. Selection of the thesis supervisor, determining the topic of the thesis in close contact with the supervisor - presenting basic information related to the subject of the thesis.

Course topics

none

Teaching methods

Seminar, workshops on how to write a diploma thesis, discussions on the presented issues.

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:
Individually selected

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