COURSE DESCRIPTION CARD - SYLLABUS

Course name
Pre-diploma seminar [S1MiBM2>SP]

Course

Field of study
Mechanical 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
compulsory

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 in the field of programmes and subjects provided for students of Mechanical Engineering at the level of first-cycle studies. The student has the ability to think logically, use various sources of information (PUT Library e-sources, Internet) and process acquired data and information.

Course objective

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

Course-related learning outcomes

Knowledge:
The student knows the topics of diploma theses. 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 obtain information from literature, databases and other properly selected sources in the field of mechanical engineering; is able to integrate the information obtained, interpret it, draw conclusions and formulate and justify opinions. The student is able to determine the directions of further learning and implement the self-education process.

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 importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions made. The student is able to appropriately define priorities for the implementation of a task specified by himself or others. The student acts in accordance with the student ethics rules. The student is aware of the social role of a technical university graduate, and especially understands the need to formulate and convey to the public information and opinions regarding technological achievements and other aspects of engineering activities; makes every effort to convey such information and opinions in a generally understandable manner.

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 engineering diploma theses (design of machines, technological, simulation, analytical);
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