COURSE DESCRIPTION CARD - SYLLABUS

Course name
Preparation of a diploma thesis [S2ZE1E>PPD]

Course

Field of study
Green Energy

Year/Semester
2/3

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
english

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other (e.g. online)
0

Tutorials
0

Projects/seminars
60

Number of credit points

15,00

Coordinators

prof. dr hab. inż. Zbigniew Nadolny
zbigniew.nadolny@put.poznan.pl

Lecturers

Prerequisites

The student should have basic knowledge, skills and competences acquired in the previous years of studies, enabling him to carry out a team MA thesis.

Course objective

The aim of the diploma process is to deepen theoretical knowledge related to the selected topic of work, acquire the ability to solve practical engineering problems, including the team implementation of the application that is the subject of the work. The main goal is the student (students) to carry out independently (in a team) complex curriculum content in accordance with the detailed tasks specified in the subject card of the master's thesis.

Course-related learning outcomes

Knowledge:
Knows specialized vocabulary in a foreign language, which allows for the analysis of technical and scientific documents relevant to the field of power engineering
Knowledge of the connection of the electric power engineering profession with various non-technical fields, such as: economy, law or ethics

Skills:
Can pose hypotheses and test them in simple research systems
He can independently plan and implement his development as well as motivate and direct others

Social competences:
Correctly identifies and resolves dilemmas related to broadly understood energy security; can think and act in a creative and entrepreneurial manner; understands the need for actions to make the society aware of the development of the power industry, but also to reduce the risks it carries

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. continuous assessment through systematic consultations checking the content correctness and the degree of advancement of the thesis
2. assessment of the increase in the ability to use the learned principles and methods
3. evaluation of the results of the implementation of the master's thesis

Programme content

The subject of the master's thesis is the implementation of the program content in accordance with the detailed tasks specified in the topic card of the master's thesis, defined by the thesis promoter or business entity cooperating with the University. The work is carried out individually or in groups (usually 2 people) under the supervision of the supervisor or supervisor and a supervisor appointed by the supervisor. The final result is the submission of the master's thesis to the Dean's Office. If required by the purpose of the work, it must have working software or a prototype as well as technical and operational documentation.

Teaching methods

Consultations on the subject of thesis with the supervisor, workshops / trainings, discussions within the team implementing the thesis, regarding the presented diploma theses

Bibliography

Basic:
Scientific and technical literature: textbooks, monographs, articles, catalogs, websites, documentation, guidelines and standards provided by those managing theses.

Additional:

Breakdown of average student's workload

	Hours	ECTS
Total workload	380	15,00
Classes requiring direct contact with the teacher	60	2,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	320	12,00