COURSE DESCRIPTION CARD - SYLLABUS

Course name
Preparation of the thesis work [N2Elenerg1-ISD>PPD]

Course

Field of study
Electrical Power Engineering

Year/Semester
2/4

Area of study (specialization)
Smart Grids

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
part-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
40

Number of credit points

10,00

Coordinators

dr hab. inż. Jarosław Gielniak prof. PP
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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
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:

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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

A master's thesis is a scientific dissertation on a specific topic related to the field of study. The master's thesis is carried out individually or in groups (usually 2 people) under the supervision of a supervisor or a 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 the purpose of the work requires it, it must have working software or a prototype as well as technical and operational documentation.

Course topics

The subject of the master's diploma thesis is the implementation of program content consistent with the detailed tasks specified in the master's diploma thesis topic card, defined by the thesis supervisor or an economic entity cooperating with the University.

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	250	10,00
Classes requiring direct contact with the teacher	40	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	210	8,00