



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Seminar diploma

Course

Field of study

Year/Semester

Power Engineering

2/3

Area of study (specialization)

Profile of study

Sustainable Development of Power Engineering

general academic

Level of study

Course offered in

Second-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars

30

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

prof. dr hab. inż. Zbigniew Nadolny

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tel. 61 665 2279

Faculty of Environmental Engineering and

Energy

3A Piotrowo Str., 60-965 Poznan

Prerequisites

Basic information of subjects taught for first degree of full-time studies, majoring in power engineering.

Measurements and calculations of basic electrical and non-electrical quantities, writing simple computer programs, designing and construction of simple circuits or electrical installations and effective self-study in chosen specialty and academic field. Verbal communication and team work, awareness of the need to expand their knowledge and skills

Course objective

Presentation of the results of research and analysis conducted for thesis, formulating conclusions.

Course-related learning outcomes

Knowledge



He has well organized and theoretically supported knowledge in the area of information management, structure of operational control, telemechanics and data acquisition

He has knowledge in the field of power generation in power system, including dissipated generation

Skills

He is able to identify directions of further learning and pursue the process of self-education

He is able to prepare detailed documentation of results of realized experiment, project or science exercise. He can prepare a study that discusses these results

Social competences

Understand the need for training and constant improving his professional competence

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

- assess the knowledge and skills needed to carry out the Engineers thesis topic,
- an assessment based on the presentation of the results of realized works,
- \- evaluate the effectiveness of the application of knowledge in problem solving,
- continuous evaluation for each class: student activities, increase their knowledge and skills

Programme content

Choosing a specific topic for a thesis. Describing and setting out the purpose of the research area essential master thesis, including its analysis. The presentation of results of research as well as the analysis of selected issues. The formulation of conclusions, the preparation of the list of specialist literature used in the thesis. Presentation of research results related to Master's thesis.

Teaching methods

Students presentations and discussion.

Bibliography

Basic

Bibliography of Master thesis range recommended by the promoter

Additional

Bibliography of Mster thesis searched by student



Breakdown of average student's workload

	Hours	ECTS
Total workload	375	15,0
Classes requiring direct contact with the teacher	125	5,0
Student's own work (performance of laboratory tests and analyzes, preparation of presentations, work on the preparation and editing of the diploma thesis, preparation for the diploma exam) ¹	250	10,0

¹ delete or add other activities as appropriate