



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

Course

Field of study

Year/Semester

Power Engineering

2/3

Area of study (specialization)

Profile of study

Nuclear 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)

0

0

0

Tutorials

Projects/seminars

0

30

Number of credit points

15

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

Dr hab. inż. Jarosław Gielniak

email: jaroslaw.gielniak@put.poznan.pl

tel. 61 665 2024

Faculty of Environmental Engineering and

Energy

Piotrowo 5, 60-965 Poznań

Prerequisites

Student has the increased knowledge obtained in time of studies on Electrical Power Engineering field of studies. Student has the ability to indicate and formulate issue and problem in electrical power engineering. Student knows the increased possibilities to acquire knowledge from literature sources

Course objective

1. Presentation the investigation results and information on the main topic of MSc thesis.
2. Formulation of conclusions.
3. Preparation to final diploma colloquium

Course-related learning outcomes

Knowledge

1. Knows the latest achievements and development trends in the field of selected issues in the field of



power engineering.

2. Has knowledge in the field of obtaining data and scientific information in the field of electrical power engineering and is able to manage them in the implementation of the master thesis.

Skills

1. Can determine the directions of further education use the literature sources available in printed and electronic version, integrate the acquired information and make their interpretation and draw conclusions, as well as formulate and justify opinions.
2. Is able to assess the basic trends in the development of electric power engineering.
3. Is able to document the results of research and analyzes

Social competences

1. Understands the need and knows how to acquire knowledge in the field of electric power engineering and is able to make critical assessments of various practical solutions in the field of energy.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Continuous evaluation of seminar activities of the student's activity and increase of his knowledge and skills needed to implement the diploma thesis.
2. Evaluation based on the results obtained and the method of their systematic presentation.

Programme content

1. Preparation for conducting scientific (laboratory) research.
2. Presentation of investigation results and analysis of chosen problem.
3. Formulate logical conclusions, which are results of investigations and analysis.
4. Editing the final form of engineering thesis and preparing final presentation.

Teaching methods

Lecture in the form of a multimedia presentation, ongoing discussion and evaluation of projects presented by students

Bibliography

Basic

1. Author's vademecum, recommendations for the preparation of publications prepared by IE and the Poznan University of Technology Publishing House.
2. Specialist literature (books, articles, conference materials, technical brochures).
3. Lexicons, encyclopedias, technical guides, dictionaries.

Additional

1. Examples of very well prepared diploma thesis



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 (literature studies, consultation with the work supervisor, performing laboratory tests and analyzes, preparation of the presentation, work on the preparation and editing of the diploma thesis, preparing for the diploma exam, participating in the diploma exam) ¹	250	10,0

¹ delete or add other activities as appropriate