



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Power Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

30

### Number of credit points

15

### Lecturers

Responsible for the course/lecturer:

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Faculty of Environmental Engineering and

Energy

Piotrowo 5, 60-965 Poznań

Responsible for the course/lecturer:

### Prerequisites

Has basic knowledge in the field of measurement and research methodology, knows development trends in the field of power engineering. Can use the available specialist literature in printed and electronic version. Is aware of the consequences of the results of his own work.

### Course objective

Presentation of investigation results. Analysis and conclusions of problems analyses in diploma thesis. Learning about selected issues regarding the collection of the necessary materials and rules for the preparation of engineering thesis.

### Course-related learning outcomes

Knowledge



1. He/she knows detailed principles of application of author rights during preparation of diploma thesis in frame of network and electrical power engineering

#### Skills

1. He/she can prepare and present short presentation about task in frame of electric power engineering  
2. He/she can compare various project solution in range of fundamental problems in frame of electrical power engineering

#### Social competences

1. He/she is ready to conform to principles of work in team in frame of electrical power engineering  
2. Is aware of the need to expand knowledge in order to solve technical problems

#### 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. Bibliography on the subject of the diploma thesis recommended by the supervisor.  
2. Author's vademecum, recommendations for the preparation of publications prepared by IE and the Poznan University of Technology Publishing House.  
3. Specialist literature (books, articles, conference materials, technical brochures).  
4. Lexicons, encyclopedias, technical guides, dictionaries.

##### Additional

1. Bibliography found by the student in printed and electronic form.  
2. 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	100	4,0
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) <sup>1</sup>	275	11,0

<sup>1</sup> delete or add other activities as appropriate