



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Electrical Engineering

Area of study (specialization)

Distribution Devices and Electrical Installations

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

2/3

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:

Prof. Jerzy Janiszewski, Ph. D., Hab. Eng.

Responsible for the course/lecturer:

Faculty of Environmental Engineering and  
Energy

Institute of Electric Power Engineering

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### Prerequisites

Knowledge of measurement methodology, development trends and the basics of applying copyright. Ability to use available electronic and printed literature. Awareness of the consequences of own work results.

### Course objective

Presentation of the results of research and analysis as well as the results of the issue and conclusions taken in the thesis. Preparation for thesis defense.

### Course-related learning outcomes

Knowledge



Student knows the latest achievements and development trends in the field of selected issues in the field of power devices and electrical installations.

#### Skills

Student is able to use literature sources available in both print and electronic versions, integrate acquired information, interpret and draw conclusions as well as formulate and justify opinions. Student is able to prepare and present a presentation on a task related to electrical engineering. Student is able to plan the implementation of tasks, assess the suitability of solutions and conduct research individually or as a team in the field of electrical equipment and installations.

#### Social competences

Student understands the need and knows how to acquire knowledge in the field of power engineering and transfer it to the public.

#### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

##### Seminars:

- assessment of activity in the process of developing tasks related to the future thesis,
- active in substantive discussions,
- assessment of prepared presentations of basic tasks and elements of the prepared thesis (oral form or slides).

#### Programme content

##### Seminars:

Presentation of the results of research and analysis of the selected issue. Formulating logical conclusions resulting from the research and analyzes undertaken. Preparation of a list of specialist literature used in the thesis. Information on the students' implementation of work topics related to current research at the Institute.

#### Teaching methods

##### Seminars:

- multimedia or object-oriented presentations supported by illustrated examples presented on the board,
- interactive seminars with questions and initiating discussions.

#### Bibliography

##### Basic

1. Vademecum autora, zalecenia przygotowania publikacji opracowane przez Wydawnictwo Politechniki Poznańskiej.



2. Polish-English dictionary.
2. Specialist literature (books, articles, conference materials).
3. Lexicons, encyclopedias, technical guides.

Additional

1. Przykładowe, wzorcowo wykonane prace dyplomowe nagradzane na różnych konkursach.

**Breakdown of average student's workload**

|   | Hours | ECTS |
|---|-------|------|
| Total workload  | 383   | 15,0 |
| Classes requiring direct contact with the teacher   | 123   | 5,0  |
| Student's own work (literature studies, preparation for classes, preparing a presentation) <sup>1</sup> | 260   | 10,0 |

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