



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Diploma seminar

### Course

Field of study

Power Engineering

Area of study (specialization)

Electrical Power Engineering

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

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

15

### Number of credit points

5

### 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

He/she has fundamental knowledge collected during study on Power Engineering field. He/she can indicate and formulate tasks, problems in frame of electric power engineering. He/she knows fundamental possibilities of the knowledge acquiring from literature sources. She/he is aware of the need to expand his knowledge and skills.

### Course objective

Knowledge on problems proposed in the MSc diploma thesis. Choice of the diploma thesis subject and definition of the specific tasks ("title page" preparation). Editorial demands of the thesis. How to carry-out the research work. Gathering of the technical literature in the field and recognition of the opportunities to carry-out laboratory experiments.



### Course-related learning outcomes

#### Knowledge

1. Has knowledge in the field of acquiring and managing information on the issues covered in the master thesis.
2. Has preliminary knowledge in the field of development trends in the area of selected electrical power engineering issues

#### Skills

1. Has the skills of self-education and gaining knowledge in the field of electrical power engineering.
2. Is able to document the results of tests and analyzes.

#### Social competences

1. Is aware of continuing education and raising professional competences in the field of energy

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Assessment of student's activity in the scope of tasks connected with MSc thesis.
2. Assessment of the prepared presentations of the basic tasks and elements of the thesis being prepared (oral form or slides).

### Programme content

1. Discussing the subject of proposed engineering diploma theses.
2. Principles of work implementation, individual consultations and use of literature resources.
3. Rules for preparing a presentation of a work and preliminary discussion of the manner of carrying out tasks.
4. Preliminary scientific research.

### Teaching methods

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

### Bibliography

#### Basic

1. Vademecum authors, Poznan University of Technology publication - how to prepare the MSc thesis
2. Technical vocabulary Polish-English, English-Polish, other
3. Technical literature - books, magazines, conference proceedings, lexicones.

#### Additional

1. Examples of very well prepared diploma thesis



### Breakdown of average student's workload

	Hours	ECTS
Total workload	130	5,0
Classes requiring direct contact with the teacher	70	3,0
Student's own work (literature studies, consultations with supervisors of diploma theses, performing preliminary laboratory tests and analyzes, preparation of the presentation) <sup>1</sup>	60	2,0

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