COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar

Course

Field of study
Power Engineering

Year/Semester
1/2

Area of study (specialization)
Nuclear power engineering

Profile of study
general academic

Level of study
Second-cycle studies

Course offered in
Polish

Form of study
full-time

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:
Dr hab. inż. Jarosław Gielniak
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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 autors, 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) [1]	60	2,0

[1] delete or add other activities as appropriate