# COURSE DESCRIPTION CARD - SYLLABUS

Course name
Seminar diploma

## Course

Field of study
Power Engineering

Year/Semester
1/2

Area of study (specialization)
Sustainable Development of 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

Laboratory classes

Other (e.g. online)

Tutorials

Projects/seminars
15

## Number of credit points

5

## Lecturers

Responsible for the course/lecturer:
prof. dr hab. inż. Zbigniew Nadolny
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tel. 61 665 2279
Faculty of Environmental Engineering and Energy
3A Piotrowo Str., 60-965 Poznan

Responsible for the course/lecturer:

## Prerequisites

Basic information of subjects taught for first degree of full-time studies, majoring in power engineering. Measurements and calculations of basic electrical and non-electrical quantities, writing simple computer programs, designing and construction of simple circuits or electrical installations and effective self-study in chosen specialty and academic field. Verbal communication and team work, awareness of the need to expand their knowledge and skills

## Course objective

Knowledge about proposed issues in Masters Thesis. Preliminary selection of the thesis subject. Understanding rules of the thesis editing and carry out research. Preparatory recognition of literature and possibility of carrying out the research by simulations and experimentally.

## Course-related learning outcomes

Knowledge

He has well organized and theoretically supported knowledge in the area of information management, structure of operational control, telemechanics and data acquisition

He has knowledge in the field of power generation in power system, including dissipated generation

Skills

He is able obtain information in range of Energetics from bibliography, bases of knowledge and the other well-chosen sources; also in English. He can integrate and interpret possessed information and critically evaluate them. Also he make conclusions, create and comprehensively justify opinion

He is able to identify directions of further learning and pursue the process of self-education

He is able to prepare detailed documentation of results of realized experiment, project or science exercise. He can prepare a study that discusses these results

Social competences

He is able to think and act in creative and enterprising way, he understands the need of formulating and transfer the knowledge and opinions, about achievements of today?s Energetics and industry branches related to it, to the Society

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

- assess the knowledge and skills needed to carry out the Master thesis topic,

- an assessment based on the presentation of the results of realized works,

- evaluate the effectiveness of the application of knowledge in problem solving,

- continuous evaluation for each class: student activities, increase their knowledge and skills

## Programme content

Presentation of proposed Master Thesis subjects. Rules of: the thesis realization, individual consultations, literature resources using. Guidelines and recommendations for editing Masters Thesis. Principles of preparation of the presentation of work and preliminary discussion of the way of carrying out tasks. Issue of copyright policy in the thesis.

## Teaching methods

presentation of students and disscussion.

## Bibliography

Basic

Vademecum autora (in Polish) Wydawnictwo Politechniki Poznańskiej

Books and papers

Additional

Another 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 (review and study of literature on the subject of the diploma thesis, preliminary laboratory tests, preparation of the presentation in the scope of selected issues related to the diploma thesis)[1] | 60 | 2,0 |

[1] delete or add other activities as appropriate