COURSE DESCRIPTION CARD - SYLLABUS

Course name
Diploma seminar [S2Elenerg1-UEE>SD3]

Course

Field of study
Electrical Power Engineering

Year/Semester
2/3

Area of study (specialization)
Electric Energy Exploitation

Profile of study
general academic

Level of study
second-cycle

Course offered in
Polish

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

1,00

Coordinators

dr hab. inż. Krzysztof Walczak prof. PP
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Lecturers

Prerequisites

The student has well-established knowledge gained during the studies in the field of Electrical Power Engineering. Is able to independently acquire knowledge and technical information in the field of issues related to the power industry, also in a foreign language. He understands the need for continuous training and knows the basic possibilities of acquiring knowledge from literature sources in the field of energy.

Course objective

Acquiring knowledge and skills related to conducting scientific research, presenting the obtained research results, analyzes and conclusions on the issue discussed in the diploma thesis. Getting to know the issues related to the collection of the necessary materials and rules for the preparation of the Master"s thesis.

Course-related learning outcomes

Knowledge:
student knows how to use literature sources, knows the issues related to copyright
the student has a knowledge of the correct construction of scientific work, applied research methods and scientific analysis

Skills:
the student is able to formulate and test scientific hypotheses. the student is able to search, compare, analyze and interpret information obtained from scientific sources and use technical documentation related to issues related to the power industry, prepared both in polish and in english. the student is able to plan, conduct, document a scientific experiment and present the obtained results during a scientific debate

Social competences:
the student understands the contemporary problems of energy security and the resulting necessity to educate the society in the field of the latest power technologies

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
Assessment of activity in the process of developing tasks related to the thesis being prepared
Assessment of the prepared presentations, the quality of discussions, the ability to argue their views on the subject of basic tasks and elements of the prepared thesis

Programme content

The diploma seminar discusses issues related to: the selection of a detailed topic of the diploma thesis, the methodology of developing the purpose and scope of research, the selection of methods, techniques and research tools for the selected topic of the diploma thesis and the development of the obtained results. Issues of copyright and the Uniform Anti-plagiarism System are also analyzed.

Course topics

During the Seminar classes, the choice of a detailed topic for the diploma thesis is discussed. Methodology for developing the purpose and scope of research, selection of methods, techniques and research tools for the selected topic of the diploma thesis, processing the obtained results, conducting analyzes and establishing conclusions. General guidelines for preparing a multimedia presentation of scientific research results related to the topic of a master's thesis are presented. The diploma process itself is also discussed: documents, procedures, deadlines, diploma examination - form, method of conducting, assessment algorithm, scope of examination issues. The Unified Anti-plagiarism System (JSA) is presented: the principle of operation, the results of the work analysis (general and detailed report), the effects of plagiarism - the order of the Rector on the obligation to check written diploma theses using JSA. Legal aspects of plagiarism and the use of artificial intelligence.

Teaching methods

An interactive seminar with questions and discussion initiation. During the classes, information materials (in the form of multimedia presentation) prepared by the seminar leader and students are used. The discusion at the forum of the group aims to critically evaluate the research results obtained and to indicate the directions of further work.

Bibliography

Basic
1. Vademecum autora, Wydawnictwo Politechniki Poznańskiej, http://www.ed.put.poznan.pl/files/Vademecum-dla-autorow.pdf
2. Urban S., Ładoński W. , Jak napisać dobrą pracę magisterską, Wrocław: Akademia Ekonomiczna, 2003.
3. Prawo autorskie. Ustawa z 4 lutego 1994 r. ze zmianami z 2015 r.
4. Rozpondek M. , Wyciślik A. , Seminarium dyplomowe: praca dyplomowa magisterska i inżynierska: pierwsza praca – know how, Wydawnictwo Politechniki Śląskiej, 2007.
5. Zenderowski R., Pawlik K. , Dyplom z Internetu. Jak korzystać z Internetu pisząc prace dyplomowe, Warszawa CeDeWu, 2015.
Additional
1. Przykładowe, wzorcowo wykonane prace dyplomowe nagradzane na różnych konkursach.
2. Regulamin studiów stacjonarnych i niestacjonarnych pierwszego i drugiego stopnia uchwalony przez Senat Akademicki Politechniki Poznańskiej, uchwała nr 154/2016-2020 z dnia 24 kwietnia 2019,

https://www.put.poznan.pl/sites/default/files/attachments/uchwala_nr_154_-_2019_-_zalacznik_regulamin_studiow.pdf - § 31,§ 32,§ 33.
3. Cempel C., Nowoczesne zagadnienia metodologii i filozofii badań : wybrane zagadnienia dla studiów magisterskich, podyplomowych i doktoranckich, Poznań ; Radom : Instytut Technologii Eksploatacji, 2005.

Breakdown of average student's workload

	Hours	ECTS
Total workload	29	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	14	0,50