STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma seminar**		Code **1010315341010310081**
Field of study **Electrical Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 4**
Elective path/specialty **Distribution Devices and Electrical**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**
Cycle of study: **Second-cycle studies**	Form of study (full-time,part-time) **part-time**	
No. of hours Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **18**		No. of credits **13**
Status of the course in the study program (Basic, major, other) **(brak)**	(university-wide, from another field) **(brak)**	
Education areas and fields of science and art		ECTS distribution (number and %)

Responsible for subject / lecturer:

dr hab. inż. Jerzy Janiszewski
email: jerzy.janiszewski@put.poznan.pl
tel. 61 665 2094
Faculty of Electrical Engineering
ul. Piotrowo 3A, 60-965 Poznań

Responsible for subject / lecturer:

dr hab. inż. Ryszard Frąckowiak
email: ryszard.frackowiak@put.poznan.pl
tel. 61 665 2294
Faculty of Electrical Engineering
ul.Piotrowo 3A, 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Knows measuring methodology, development trends and basic intellectual property regulations.
2	**Skills**	Knows to mine the available literature in both the electronic and printed form.
3	**Social competencies**	Is aware of the consequences of his work results.

Assumptions and objectives of the course:

Presentation of research results, analysis and conclusions related to the question undertaken in the diploma work. Preparation to the diploma work?s discussion.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Knows the newest achievements and development trends concerning the chosen electric power devices and electrical installations questions - [K_W04++]

Skills:

1. Can to exploit the literature resources available in electronic and printed form, integrate the acquired information, interpret and conclude it as well as proof the opinions - [K_U01+, K_U15++, K_U16+]

2. Can prepare and show presentation on the electrical engineering-related subject/task - [K_U04++]

3. Can plan and arrange execution of tasks, assess the solutions? usefulness and run experiments, individually or as a team work, concerning the electrical devices and installations. - [K_U02+, K_U10+, K_U19+]

Social competencies:

1. Understands the need for and knows the ways how to acquire knowledge on the electric power engineering and to transfer it to the society - [K_K01+]

Assessment methods of study outcomes

-Assesment of presentations of the specific diploma work elements (results and their analysis, conclusions) on slides.

Course description

-Presentation of the research results and chosen question analysis - multimedia-based presentation, discussion, forming the logical conclusions driven from the undertaken investigations and analyses. Construction of the list of publications mined during the diploma work preparation. Information on the subjects of the student?s research activities referred to the research works currently in progress in the Institute.

Basic bibliography:

1. Vademecum autora, zalecenia przygotowania publikacji opracowane przez Wydawnictwo Politechniki Poznańskiej
2. Słownik polsko-angielski
3. Specjalistyczna literatura (książki, materiały konferencyjne)
4. Leksykony, encyklopedie, poradniki techniczne
5. Author's vademecum and recommendations - prepared by Wydawnictwo Politechniki Poznańskiej
6. Polish-English Dictionary
7. Literature in the field (books, conference proceedings)
8. Lexicons, encyclopaedies, technical handbooks

Additional bibliography:

1. Przykładowe, wzorcowo wykonane prace dyplomowe, w tym nagradzane na różnych konkursach
2. Examples of outstanding diploma works rewarded with price

Result of average student's workload

Activity	Time (working hours)
1. Attending the seminar	18
2. Discussions with diploma	60
3. Laboratory experiments and analyses execution	140
4. Preparation of work presentation	20
5. Editorial activities concerning the diploma work	110
6. Preparation to the final examination	45
7. Diploma examination	1

Student’s workload

Source of workload	hours	ECTS
Total workload	394	13
Contact hours	119	5
Practical activities	168	6