STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Diploma seminar		**1010314381010310081**

Field of study	Profile of study (general academic, practical)	Year /Semester
Electrical Engineering	**(brak)**	**4 / 8**
Elective path/specialty: **Distribution Devices and Electrical**	Subject offered in: **Polish**	Course (compulsory, elective): **obligatory**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time): **part-time**	

No. of hours	No. of credits
Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **9**	**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)

Responsible for subject / lecturer:

dr hab. inż. Ryszard Frąckowiak
email: ryszard.frackowiak@put.poznan.pl
tel. 61665 2294
Faculty of Electrical Engineering
ul. Piotrowo 3A 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student has acquired the knowledge in subjects given at Electrical Engineering division.
2	**Skills**	He knows to perceive and precisely define the question /problem in the electrical engineering area.
3	**Social competencies**	He knows basic opportunities to acquire knowledge from the literature sources.

Assumptions and objectives of the course:

Getting knowledge on problems proposed in the engineer's diploma works. Choice of the diploma work's subject and definition of the specific tasks ("title page" preparation). Getting knowledge on how to edit the diploma work and run the research. Preliminary recognition of the literature in the field and the opportunities to run laboratory experiments.

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

Knowledge:

1. Student knows the methodology of both the measurements and the analysis of the question chosen for his diploma work. - [K_W18+]
2. Has preliminary recognition of the development trends in the chosen subject in the electrical engineering area based on the professional literature related to the diploma work theme. - [K_W18+]
3. Student knows the intellectual property protection regulations bending for diploma work. - [K_W21+]

Skills:

1. Can use the literature in the field available on different media , electronic and printed, integrate and interpret the acquired information, drive the conclusions as well as form and proof his opinions. - [K_U05+++, K_U06+++, K_U09+++]

Social competencies:

1. Student understands a need and knows the specific opportunities to acquire knowledge from the literature. - [-]

Assessment methods of study outcomes

1.Assessment of activity in the elaboration of the diploma-work- related tasks.
2.Assessment of presentations (oral or slides) of the basic topic and elements of the diploma work in progress .

Course description

Discussion of the subjects of the proposed engineer-level diploma works. Information on the research work in progress in the Institute. Rules of the work preparation, individual consultations and literature resources' mining. Rules of the work presentation and preliminary description of the way of task elaboration: introduction to the electrical engineering question undertaken in the diploma work, references to special literature , description of the genesis, thesis and scope of research work and analysis of the question, choice of the preliminary publication list. Multimedia-based presentation.

Basic bibliography:

1. Author's vademecum and recommendations prepared by Wydawnictwo Politechniki Poznańskiej
2. Polish-English Dictionary
3. Literature in the field (books, conference proceedings)
4. Lexicons, encyclopaedies, technical handbooks

Additional bibliography:

1. Examples of outstanding diploma works rewarded with price

Result of average student's workload

Activity	Time (working hours)
1. Attending the seminar	9
2. Discussions with diploma	25
3. Preliminary overview and study on the diploma work subject-related literature	20
4. Execution of preliminary investigations and analyses	25
5. Elaboration of presentation on the chosen diploma work questions	10

Student's workload

Source of workload	hours	ECTS
Total workload	89	4
Contact hours	34	2
Practical activities	55	2