

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma seminar		Code 1010311361010310081
Field of study Electrical Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 3 / 6
Elective path/specialty Distribution Devices and Electrical	Subject offered in: -	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 15		No. of credits 4
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. Ryszard Frąckowiak, prof. nadzw. email: ryszard.frackowiak@put.poznan.pl tel. 61 6652294 Wydział Elektryczny 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 level 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. 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.		
Basic bibliography:		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. Attending the seminar	15	
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	95	4
Contact hours	40	2
Practical activities	40	2