

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma seminar		Code 1010312331010310081
Field of study Electrical Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
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) full-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 30		No. of credits 15
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	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, forming the logical conclusions driven from the undertaken investigations and analyses. Construction of the list of publications mined during the diploma work preparation.		

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	30	
2. Discussions with diploma	60	
3. Laboratory experiments and analyses execution	100	
4. Preparation of work presentation	20	
5. Editorial activities concerning the diploma work	120	
6. Preparation to the final examination	45	
7. Diploma examination	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	376	15
Contact hours	111	5
Practical activities	130	6