

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Seminar		Code 1010312331010314073
Field of study Power Engineering	Profile of study (general academic, practical) general academic	Year /Semester 2 / 3
Elective path/specialty Electrical Power Engineering	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: 2		No. of credits 15
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 15 100%
Responsible for subject / lecturer: prof. dr hab. inż. Józef Lorenc email: jozef.lorenc@put.poznan.pl tel. 61-665 2279 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has the increased knowledge obtained in time of studies on Electrical Engineering field of studies
2	Skills	Student has the ability to indicate and formulate issue and problem in electric power engineering
3	Social competencies	Student knows the increased possibilities to acquire knowledge from literature sources
Assumptions and objectives of the course: Presentation the investigation results and information on the main topic of MSc thesis. Formulation of conclusions. Preparation to final diploma colloquium		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. Student knows the newest achievements and development trends in the scope of chosen issues in electric power engineering - [K_W04++]		
Skills: 1. Student is able to use technical literature, gather and interpret obtained information, formulate the final conclusions, justify the opinions. - [K_U01+, K_U15++, K_U16+] 2. Student can prepare and present a comprehensive presentation on topic of electric power engineering - [K_U04++] 3. Student is able to plan the task realization, evaluate the problem solution, carry-out the research individually or in group in the scope of electric power engineering - [K_U02+, K_U10+, K_U19+]		
Social competencies: 1. Student knows the need and knows the way to acquire the knowledge and transfer it to the community - [K_K01+, K_K05+]		
Assessment methods of study outcomes		
Assessment of prepared presentations and elements of his thesis ? oral and MM presentation		
Course description		

Presentation of the research results and chosen problems analysis, formulation of the logical conclusions obtained from the carried-out investigations and analyses. Construction of the list of cited publications obtained in time of the diploma work preparation.		
Basic bibliography:		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in seminar	30	
2. Consultations with supervisor of MSc thesis	60	
3. Review and study of technical literature, carry-out of research dealing with the issue of MSc thesis	100	
4. Preparation of obtained results presentation	20	
5. Preparation of MSc thesis in final version	150	
6. Preparation for final diploma colloquium	45	
7. Participation in MSc diploma colloquium	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	406	15
Contact hours	111	5
Practical activities	250	6