

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma seminar		Code 1010311371010310081
Field of study Electrical Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 4 / 7
Elective path/specialty Power Networks and Electric Power System	Subject offered in: Polish	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: 30		No. of credits 12
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 technical sciences Technical sciences		ECTS distribution (number and %) 12 100% 12 100%
Responsible for subject / lecturer: prof. dr hab. inż. Józef Lorenc email: jozef.lorenc@put.poznan.pl tel. 61 6652279 Faculty of Electrical Engineering ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	He/she has knowledge in frame of metrology of measurements, development trends and knows principles of author rights.
2	Skills	He/she can use available literature in printed and electronic version
3	Social competencies	He/she has consciousness of consequences of own work results.
Assumptions and objectives of the course: Presentation of investigation results, Analysis and conclusions of problems analysed in diploma thesis.		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. He/she knows detailed principles of application of author rights during preparation diploma thesis in frame of network and electric power engineering - [K_W21+++]		
Skills: 1. He/she can prepare and present short presentation about task in frame of electric power engineering - [K_U08+++] 2. He/she can compare various Project solution in range of fundamental problems in frame of electric power engineering - [K_U12+++]		
Social competencies: 1. He/she is ready to conform to principles of work in team in frame of electric power engineering K_K03+ - [K_K03+]		
Assessment methods of study outcomes		
Assessment of prepared presentations of individual parts of diploma thesis in form of slides (results, Analysis of results, conclusions)		
Course description		
1.Presentation of investigation results and Analysis of chosen problem 2.Formulate logical conclusions, which are results of investigations and analysis		

Basic bibliography:		
1. Description of genesis, aim, thesis, and range of investigations and problems analysis		
2. Polish-English dictionary		
3. Specialist literature (books, conferences proceedings)		
4. Lexicons, encyclopedias, technical guides		
Additional bibliography:		
1. Very well prepared diploma thesis		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in seminar	30	
2. Analysis of literature	40	
3. Laboratory and results analysis	150	
4. Consultation with supervisor	60	
5. Preparation of presentation	10	
6. Preparation to diploma exam	10	
7. Participation in diploma exam	1	
Student's workload		
Source of workload	hours	ECTS
Total workload	301	12
Contact hours	89	6
Practical activities	178	6