

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma seminar</b>		Code <b>1010311371010310081</b>
Field of study <b>Electrical Engineering</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>4 / 7</b>
Elective path/specialty <b>Networks and Electric Power Systems</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time, part-time) <b>full-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>30</b>		No. of credits <b>12</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>12 100%</b>
<b>Responsible for subject / lecturer:</b>  prof. dr hab. inż. Józef Lorenc email: jozef.lorenc@put.poznan.pl tel. 61 6652279 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	He/she has knowledge in frame of metrology of measurements, development trends and knows principles of author rights.
2	<b>Skills</b>	He/she can use available literature in printed and electronic version
3	<b>Social competencies</b>	He/she has consciousness of consequences of own work results.
<b>Assumptions and objectives of the course:</b> Presentation of investigation results, Analysis and conclusions of problems analysed in diploma thesis.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b> 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+++]		
<b>Skills:</b> 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+++]		
<b>Social competencies:</b> 1. He/she is ready to conform to principles of work in team in frame of electric power engineering K_K03+ - [K_K03+]		
<b>Assessment methods of study outcomes</b>		
Assessment of prepared presentations of individual parts of diploma thesis in form of slides (results, Analysis of results, conclusions)		
<b>Course description</b>		
1. Presentation of investigation results and Analysis of chosen problem 2. Formulate logical conclusions, which are results of investigations and analysis		

<b>Basic bibliography:</b>		
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		
<b>Additional bibliography:</b>		
1. Very well prepared diploma thesis		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
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	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	301	12
Contact hours	89	6
Practical activities	178	6