

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma seminar</b>		Code <b>1010321361010320081</b>
Field of study <b>Electrical Engineering</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>3 / 6</b>
Elective path/specialty <b>Measurement Systems in Industry and</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>15</b>		No. of credits <b>4</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> <b>Technical sciences</b>		ECTS distribution (number and %) <b>4 100%</b> <b>4 100%</b>
<b>Responsible for subject / lecturer:</b>  prof. dr hab. inż. Anna Cysewska-Sobusiak email: anna.cysewska@put.poznan.pl tel. 61 665 2633 Wydział Elektryczny ul. Piotrowo 3A, 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Basic knowledge within the scope of subjects included in the programme of the speciality
2	<b>Skills</b>	Ability to realize measurements of basic electrical and nonelectrical quantities and realize the efficient self-education in the area related to the chosen field and speciality of studies
3	<b>Social competencies</b>	Ability to cooperate as a team and awareness of the necessity of broadening of the competence in the field of electrical engineering
<b>Assumptions and objectives of the course:</b> Knowledge of selected problems related to gathering of the indispensable materials and knowledge of principles concerned the preparation of a diploma thesis		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Knowledge of typical engineering technologies in the area of the Electrical Engineering field of study and in the newest tendencies in development of measuring systems - [K_W18 + ]		
2. Knowledge of the bases of applying copyright and the protection of the intellectual property, and ability to use the supplies of patents information - [K_W21 +]		
<b>Skills:</b>		
1. Ability to use the printed and electronic bibliography sources, integrate the gathering information and interpret them as well as conclude - [K_U05 +++]		
2. Ability to work independently and as a team, and ability to estimate time needed to realize the tasks provided for in the range of the diploma thesis - [K_U06 +++]		
3. Ability to realize the self-education in order to improve the professional competences in the range of the chosen field and speciality of study - [K_U09 +++]		
<b>Social competencies:</b>		
1. Students awareness of the value of their work, and also the readiness of submitting to the principles of the work in the team cooperating in the range of realized tasks - [K_K03 +]		
<b>Assessment methods of study outcomes</b>		

<ul style="list-style-type: none"> <li>- Continuous estimation of students activity and the increase of their knowledge, and the skills necessary to realize the diploma thesis</li> <li>- Evaluation based on the obtained results and ability of their presentation</li> <li>- Evaluation of efficient application of the knowledge acquired to solve the given tasks</li> </ul>		
<b>Course description</b>		
<ul style="list-style-type: none"> <li>- The selected problems related to the area of diploma theses</li> <li>- Arrangement of the tasks included in the subject of a diploma thesis</li> <li>- Principles of preparing the bibliography</li> <li>- Editing and formatting of diploma theses</li> </ul>		
<b>Basic bibliography:</b>		
1. Bibliography related to the subject of diploma thesis		
<b>Additional bibliography:</b>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in seminars	15	
2. Participation in consulting with lecturers	15	
3. Preparation to seminars	15	
4. Arrangement of the tasks included in the subject of a diploma thesis	10	
5. Realization of the work	15	
6. Preparation of presentations related to the progress in the realization of the work	10	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	95	4
Contact hours	55	2
Practical activities	45	2