

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Diploma seminar</b>		Code <b>1010324381010320081</b>
Field of study <b>Electrical Engineering</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>4 / 8</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>part-time</b>	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: <b>9</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 in 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>		
Updating 2017: <ul style="list-style-type: none"> <li>- Selected information on the research conducted currently at the Division are given during seminars</li> <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 recommended by a supervisor from the diploma thesis range		
<b>Additional bibliography:</b>		
1. Bibliography found by a student		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in seminars	9	
2. Participation in consulting with lecturers	21	
3. Preparation to seminars	20	
4. Preparation of presentations related to the progress in the realization of the work	10	
5. Realization of the work	20	
6. Arrangement of the tasks included in the subject of a diploma thesis	15	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	95	4
Contact hours	40	2
Practical activities	55	2