

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma seminar		Code 1010325341010320081
Field of study Electrical Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty Measurement Systems in Industry and	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) part-time	
No. of hours Lecture: - Classes: - Laboratory: - Project/seminars: 18		No. of credits 13
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 %) 13 100% 13 100%
Responsible for subject / lecturer: 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		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Basic knowledge in the scope of the speciality modules
2	Skills	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	Social competencies	Ability to work as a team and awareness of the necessity of broadening of the knowledge and skills
Assumptions and objectives of the course: Knowledge of the selected problems related to gathering of the indispensable materials and knowledge of principles concerned the preparation of a diploma thesis		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Knowledge of trends to development and the most important new achievements in electrical engineering and ? a bit less ? in electronics, computer science, power industry - [K_W04 ++]		
2. Well-ordered and theoretically supported knowledge of the design of electrical devices and systems, including their influence on environment - [K_W05 +]		
Skills:		
1. Ability to collect information from the literature, data bases and other sources; ability to integrate, interpret and critically evaluate the obtained information as well as properly conclude, formulate and sufficiently justify opinions - [K_U01 +]		
2. Ability to prepare and show a presentation on the subject of a realized project tasks and to take the discussion on this presentstion - [K_U04 ++]		
3. Ability to speak English in the sufficient degree to communicating, also in professional matters, reading with the understanding of the professional literature, and also preparation and delivering the short presentation on the subject of the realized projects - [K_U05 +]		
4. Ability to estimate an usefulness and possibility of application of the new technical and technological achievements for design and producing of the electrical systems and devices that include the innovative solutions - [K_U019 +]		
5. Ability to integrate the knowledge in the scope of electrotechnics, electronics, computer science and automation, when to formulate and solve the tasks of modeling and design of the electrical elements, devices and systems - [K_U15 ++, K_U16 +]		
Social competencies:		

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_K01 +]

Assessment methods of study outcomes		
<ul style="list-style-type: none"> - Continuous estimation of students activity and the increase of their knowledge, and the skills necessary to realize the diploma thesis - Evaluation based on the obtained results and ability of their presentation - Evaluation of efficient application of the knowledge acquired to solve the given tasks 		
Course description		
<ul style="list-style-type: none"> - The selected problems related to the area of diploma theses - Arrangement of the tasks included in the subject of a given diploma thesis - Principles of preparing the bibliography - Editing and fomatting of the engineer diploma theses 		
Basic bibliography:		
1. Bibliograhly recommended by a diploma thesis supervisor		
Additional bibliography:		
1. Bibliography searched by a student in the range of a given diploma thesis subject matter		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in seminars	30	
2. Participation in consulting with the teachers	30	
3. Preparation to seminars	20	
4. Arrangement of the detailed tasks included in a scope of the diploma thesis	20	
5. Realization of the particular tasks	120	
6. Preparation of a multimedia presentation concerned with progress in the work realization	30	
7. Preparation to the diploma exam	20	
Student's workload		
Source of workload	hours	ECTS
Total workload	300	13
Contact hours	120	4
Practical activities	170	6