

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Diploma seminar		Code 1010332531010330081
Field of study Information Engineering	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
Elective path/specialty Security of Information Technology (IT)	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-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		ECTS distribution (number and %) 12 100%
Responsible for subject / lecturer: dr Jerzy Bartoszek email: jerzy.bartoszek@put.poznan.pl tel. 61 665-3713, 61 665-2378 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has expertise in advanced programming techniques and methods.
2	Skills	Student has basic skills equivalent to first degree studies.
3	Social competencies	Student has social competencies equivalent to first degree studies.
Assumptions and objectives of the course: The purpose of the seminar is to improve the knowledge dealing with the preparation of diploma thesis.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student knows the current trends and the most important achievements in information technologies. - [K_W14]		
Skills:		
1. Student knows how to determine the set tasks associated with the process of self-education - [K_U02]		
2. Student is able - in formulating and solving IT problems - to integrate knowledge from different fields and disciplines - [K_U07]		
3. Student is able to assess the usefulness of the tools and technologies in the implementation of the specific job information - [K_U11]		
4. Student knows how to propose and justify improvements to existing solutions. - [K_U12]		
Social competencies:		
1. Student thinks and acts in an entrepreneurial and creative manner. - [K_K01]		
Assessment methods of study outcomes		
Assessment of presentations.		
Course description		

<p>In the framework of the seminar professor controls the process of preparing diploma thesis. Students present analysis of problems concerned with preparation of their thesis. Course update 2017: In the thesis projects realized in Institute of Control, Robotics and Information Engineering are included.</p> <p>Teaching methods: multimedia presentation, analysis/discussion</p>		
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. Depending on the thesis. 2. Boć J., Jak pisać pracę magisterską, Kolonia Limited, Wrocław 1994 		
<p>Additional bibliography:</p> <ol style="list-style-type: none"> 1. Depending on the thesis. 		
<p>Result of average student's workload</p>		
<p>Activity</p>		<p>Time (working hours)</p>
<ol style="list-style-type: none"> 1. Participation in the seminar 2. Preparation to the seminar 3. Preparation of the thesis 4. Participation in consultations 		<p>30 30 195 45</p>
<p>Student's workload</p>		
<p>Source of workload</p>	<p>hours</p>	<p>ECTS</p>
Total workload	300	12
Contact hours	75	3
Practical activities	150	6