STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma seminar**		Code **1010334581010330081**

Field of study **Information Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **4 / 8**

Elective path/specialty **Information Technologies**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **part-time**

No. of hours				No. of credits
Lecture: **-**	Classes: **-**	Laboratory: **-**	Project/seminars: **16**	**3**

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 %**)** **3 100%**

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**	knows and understands to a large extent typical IT engineering technologies [K1_W18 (P6S_WG)]
2	**Skills**	can develop documentation of the engineering task and prepare a discussion of the results of this task using specialized terminology [K1_U03 (P6S_UK)]
3	**Social competencies**	is ready to critically evaluate possessed knowledge in the field of computer science and recognize the importance of knowledge in solving cognitive and practical problems in the field of computer science [K1_K01 (P6S-KK)]

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. knows and understands the current state and the latest trends in the development of computer science and the fundamental dilemmas of this development - [[K1_W19 (P6S_WG)]]

Skills:

1. can acquire information from literature, databases and other sources; can integrate the obtained information, make their interpretation, as well as draw conclusions and formulate opinions; formulate and solve complex and unusual problems and perform tasks that are not fully predictable, critically analyze and synthesize this information and use of appropriate methods and tools - [K1_U01 (P6S_UW)]]

2. is able to assess the usefulness of routine methods and tools for solving simple engineering tasks typical of computer science and to select and use appropriate technologies; in the identification and formulation of engineering task specifications and their solution - make an initial economic assessment of the proposed solutions and engineering actions - [[K1_U22 (P6S_UW)]]

Social competencies:

1. is ready to think and act in an entrepreneurial way in the field of computer science - [[K1_K05 (P6S-KO)]]

Assessment methods of study outcomes

Assessment of presentations.

Course description
In the framework of the seminar professor controls the process of preparing diploma thesis. Students present solutions to the problems concerned with preparation of thesis. Course update 2017: In presentations are discused projects realized in Institute of Control, Robotics and Information Engineering.   Teaching methods: multimedia presentation, analysis/discussion

Basic bibliography:

1. Depending on the diploma thesis.

2. Szkutnik Z., Metodyka pisania pracy dyplomowej, Wydawnictwo Poznańskie, Poznań 2005

3. Vademecum autora, Wydawnictwo Politechniki Poznańskiej,
http://www.ed.put.poznan.pl/files/Vademecum%20dla%20autor%C3%B3w.pdf

Additional bibliography:

1. Depending on the diploma thesis.

2. Sobczak J., Podstawy prawa autorskiego, PTPiREE, Poznań 1995.

3. http://www.ed.put.poznan.pl/files/Instrukcja%20ZN%20w.%20pol.doc

Result of average student's workload

Activity	Time (working hours)
1. Participation in the seminar	16
2. Preparation to the seminar	15
3. Preparation of the thesis	35
4. Participation in consultations	9

Student's workload

Source of workload	hours	ECTS
Total workload	75	3
Contact hours	25	1
Practical activities	50	2