STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Diploma seminar**	Code **1010332521010330081**

Field of study **Information Engineering**	Profile of study (general academic, practical) **(brak)**	Year /Semester **1 / 2**

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				No. of credits
Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **15**				**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:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student has knowledge of 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 importatnt 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

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.

Teaching methods:

multimedia presentation, analysis/discussion

Basic bibliography:

1. Depending on the thesis.

2. Boć J., Jak pisać pracę magisterską, Kolonia Limited, Wrocław 1994

Additional bibliography:

1. Depending on the thesis.

Result of average student's workload	
Activity	**Time (working hours)**
1. Participation in the seminar	15
2. Preparation to the seminar	15
3. Preparation of the thesis	20
4. Participation in consultations	25

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	75	3
Contact hours	40	2
Practical activities	50	2