# STUDY MODULE DESCRIPTION FORM

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|---|---|---|
| Name of the module/subject<br>**Diploma seminar** | | Code<br>**1010334591010330081** |
| Field of study<br>**Information Engineering** | Profile of study<br>(general academic, practical)<br>**(brak)** | Year /Semester<br>**5 / 9** |
| Elective path/specialty<br>**Information Technologies** | Subject offered in:<br>**Polish** | Course (compulsory, elective)<br>**obligatory** |
| Cycle of study:<br>**First-cycle studies** | Form of study (full-time,part-time)<br>**part-time** | |
| No. of hours<br>Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **24** | | No. of credits<br>**12** |
| Status of the course in the study program (Basic, major, other)<br>**(brak)** | (university-wide, from another field)<br>**(brak)** | |
| Education areas and fields of science and art<br>**technical sciences** | | ECTS distribution (number and %)<br>**12 100%** |

## Responsible for subject / lecturer:

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## Prerequisites in terms of knowledge, skills and social competencies:

| | | |
|---|---|---|
| 1 | **Knowledge** | knows and understands to a large extent typical IT engineering technologies<br>[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<br>[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<br>[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 | 24 |
| 2. Preparation to the seminar | 20 |
| 3. Preparation of the thesis | 230 |
| 4. Participation in consultations | 26 |

## Student's workload

| Source of workload | hours | ECTS |
|---|---|---|
| Total workload | 300 | 12 |
| Contact hours | 50 | 2 |
| Practical activities | 150 | 6 |