Faculty of Fundamental Problems of Technology
COURSE CARD

| | | |
|---|---|---|
| Name in polish | : | **Praca Magisterska** |
| Name in english | : | **MSc Thesis** |
| Field of study | : | Computer Science |
| Specialty (if applicable) | : | |
| Undergraduate degree and form of | : | masters, stationary |
| Type of course | : | compulsory |
| Course code | : | E2_I01 |
| Group rate | : | Yes |

| | Lectures | Exercides | Laboratory | Project | Seminar |
|---|---|---|---|---|---|
| Number of classes held in schools (ZZU) | | | | | |
| The total number of hours of student workload (CNPS) | 600 | | | | |
| Assesment | pass | | | | |
| For a group of courses final course mark | X | | | | |
| Number of ECTS credits | 20 | | | | |
| including the number of points corresponding to the classes of practical (P) | | | | | |
| including the number of points corresponding occupations requiring direct contact (BK) | 20 | | | | |

PREREQUISITES FOR KNOWLEDGE, SKILLS AND OTHER POWERS

COURSE OBJECTIVES

**C1**

COURSE LEARNING OUTCOMES

The scope of the student's knowledge:

**W1** Learn a new topic of Computer Science

**W2**

The student skills:

**U1** Able to build an application related to the study problem

**U2** Able to read the professional literature

**U3** Can write a scientific paper

**U4**

The student's social competence:

**K1** Demonstrates the intellectual independence

**K2** Is able to work with other people

| COURSE CONTENT |
|---|
| Module for writing a MSc thesis. It typically contains the analysis of literature, conducting preliminary research, the construction of the appropriate application, analyzys the properties of the application / conduct relevant research, thesis writing, preparing presentations, and preparation for the MSc exam. |

| Applied learning tools |
|---|
| 1. Solving tasks and problems<br><br>2. Solving programming tasks<br><br>3. Creating programming projects<br><br>4. Creating multimedia presentations by students<br><br>5. Consultation<br><br>6. Self-study students |

## EVALUATION OF THE EFFECTS OF EDUCATION ACHIEVEMENTS

| Value | Number of training effect | Way to evaluate the effect of education |
|---|---|---|
| F1 | W1-W2, U1-U4, K1-K2 | |
| P=%*F1 | | |

| BASIC AND ADDITIONAL READING |
|---|
| 1. literature recommended by the promoter<br><br>2. documentation of tools used to implement applications |

| SUPERVISOR OF COURSE |
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| prof. Jacek Cichoń |

RELATIONSHIP MATRIX EFFECTS OF EDUCATION FOR THE COURSE
MSc Thesis
WITH EFFECTS OF EDUCATION ON THE DIRECTION OF COMPUTER SCIENCE

| Course training effect | Reference to the effect of the learning outcomes defined for the field of study and specialization (if applicable) | Objectives of the course** | The contents of the course** | Number of teaching tools** |
|---|---|---|---|---|
| W1 | K2_W04_A  K2_W04_B  K2_W06  K2_W09 | C1 | | 5 6 |
| W2 | K2_W10 | C1 | | 5 6 |
| U1 | K2_U08_A  K2_U08_B  K2_U10  K2_U11  K2_U12_A  K2_U12_B  K2_U13  K2_U14  K2_U18_A  K2_U18_B | C1 | | 1 2 3 4 5 6 |
| U2 | K2_U01_A  K2_U01_B  K2_U03_A  K2_U03_B  K2_U04  K2_U05_A  K2_U05_B | C1 | | 1 2 3 4 5 6 |
| U3 | K2_U02  K2_U03_A  K2_U03_B  K2_U05_A  K2_U05_B  K2_U06  K2_U16 K2_U19_A K2_U19_B | C1 | | 1 2 3 4 5 6 |
| U4 | K2_U07 | C1 | | 1 2 3 4 5 6 |
| K1 | K2_K01_A  K2_K01_B  K2_K12  K2_K13 | C1 | | 1 2 3 4 5 6 |
| K2 | K2_K04  K2_K06  K2_K10  K2_K12  K2_K13 | C1 | | 1 2 3 4 5 6 |