Zał nr 4 do ZW

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 2. Solving programming tasks 3. Creating programming projects 4. Creating multimedia presentations by students 5. Consultation 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 2. documentation of tools used to implement applications

SUPERVISOR OF COURSE
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 K2_W06 K2_W09	C1		5 6
W2	K2_W10	C1		5 6
U1	K2_U08 K2_U10 K2_U11 K2_U12 K2_U13 K2_U14 K2_U18	C1		1 2 3 4 5 6
U2	K2_U01 K2_U03 K2_U04 K2_U05	C1		1 2 3 4 5 6
U3	K2_U02 K2_U03 K2_U05 K2_U06 K2_U16 K2_U19	C1		1 2 3 4 5 6
U4	K2_U07	C1		1 2 3 4 5 6
K1	K2_K01 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