Zał. nr 4 do ZW 64/2012

FACULTY **Computer Science and Management** / DEPARTMENT……

SUBJECT CARD

Name in Polish Przedmiot monograficzny
Name in English Monographic Subject
Main field of study (if applicable): Informatics
Specialization (if applicable): Computer Engineering
Level and form of studies: ~~1st~~/ 2nd* level, full-time ~~/ part-time*~~
Kind of subject: ~~obligatory~~ / optional ~~/ university-wide*~~
Subject code INZ0153Wl
Group of courses YES / ~~NO~~*

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	15		15		
Number of hours of total student workload (CNPS)	45		45		
Form of crediting	~~Examination~~ / crediting with grade*	Examination / crediting with grade*	Examination / crediting with grade*	Examination / crediting with grade*	Examination / crediting with grade*
For group of courses mark (X) final course	X				
Number of ECTS points	3				
including number of ECTS points for practical (P) classes	1				
including number of ECTS points for direct teacher-student contact (BK) classes	1,8				

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Knowledge, skills and competences acquired at Informatics field at second level of study until 4th semester

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SUBJECT OBJECTIVES

C1 The aim of subject is to acquire the ability to define and solve problems on the nature of the research and development especially related to development and implementation regarding various aspects of computer engineering.
C2 Acquisition of the ability to apply the principles of health and safety work processing

SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

PEK_W01 He has an extended knowledge of the curriculum content defined for the current edition of the course.

relating to skills:

PEK_U01 He is able to solve chosen task defined by the content of current edition of the course

PEK_U02 Is able to use the principles of safety and health at work

relating to social competences:

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PROGRAMME CONTENT

Form of classes - lecture		**Number of hours**
Lec1 – lec8	Classes are adapted to current needs indicated by students, including needs arising from their master theses and current trends in their field of study related to computer engineering. Depending on the students' needs different courses can be offer every year. The number of open courses will be depend on students voting and internal Faculty regulation, which defined the number of students that need to participated in the course. Lectures will be related to one (monographic approach) from the areas of research and development conducted by the teachers. The subject of the course should be related with educational effects specified for the Informatics field of study or for Computer Engineering specialization.	15
	Total hours	15

Form of classes - class		**Number of hours**
Cl 1		
	Total hours	

Form of classes - laboratory		**Number of hours**
Lab 1	Presentation of lab scope, presentation of grading principles, training from health and safety at work. Familiarization with used laboratory tool.	1
Lab2 – lab8	Classes are adapted to current needs indicated by students, including needs arising from their master theses and current trends in their field of study related to computer engineering. Laboratories will be related to one (monographic approach) from the areas of research and development conducted by the teachers.	14
	Total hours	15

Form of classes - project		**Number of hours**
Proj 1		
	Total hours	

Form of classes - seminar		**Number of hours**
Sem 1		
	Total hours	

TEACHING TOOLS USED

N1. Lecture supported by multimedia presentations (slideshow)
N2. Laboratory equipped with hardware and programming tools needed for the subject of course.

EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT

Evaluation (F – forming (during semester), P – concluding (at semester end)	Educational effect number	Way of evaluating educational effect achievement
F1 – (lecture)	PEK_W01	Quizzes during the lecture, student activity during the lecture, students answering on questions during lecture, evaluation of homework's.
F2 – (laboratory)	PEK_U01 PEK_U02	Checking of student preparation for exercise realization, assessment (points allocated) the reports of the exercises. Evaluation of the quality of submitted by students programs.

The final assessment will be issued on the basis of partial grades (points) received from the lecture (F1) and laboratory (F2) as follows: Grade = 50% * F1 + 50% * F2

In order to receive a positive grade from each activity is required to obtain at least 40% of the points.

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

[1] Literature related to the subject of course recommended by the teacher

SECONDARY LITERATURE:

[1] Literature related to the subject of course recommended by the teacher

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT
Monographic Subject
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Informatics**
AND SPECIALIZATION **Computer Engineering**

Subject educational effect	Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)**	Subject objectives***	Programme content***	Teaching tool number***
PEK_W01 (knowledge)	K2INF_W06	C1	Lec1 – Lec8	N1
PEK_U01 (skills)	K2INF_U08	C1	Lab1 – Lab8	N2
PEK_U02	K2INF_U09	C2	Lab1 – Lab8	N2

** - enter symbols for main-field-of-study/specialization educational effects
*** - from table above