

FACULTY Computer Science and Management / DEPARTMENT Informatics					
SUBJECT CARD					
Name in Polish ... Zarządzanie projektem informatycznym.....					
Name in English ... Software Project Management					
Main field of study (if applicable): Computer Science					
Specialization (if applicable):					
Level and form of studies: 1st/ 2nd* level, full-time / part-time*					
Kind of subject: obligatory / optional / university-wide*					
Subject code INZ0275W1					
Group of courses YES / NO*					
	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	30		15		
Number of hours of total student workload (CNPS)	60		60		
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	2		2		
including number of ECTS points for practical (P) classes			2		
including number of ECTS points for direct teacher-student contact (BK) classes	1,2		1,2		

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. students are expected to be familiar with the material covered in software engineering course

SUBJECT OBJECTIVES

C1 To develop an awareness of the need for project planning and management

C2 To apply professional attitudes and techniques to managing a project

SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

PEK_W01 Explain the stages in the project development lifecycle; explain of key components of a project plan

PEK_W02 Demonstrate an understanding of steps needed to build and maintain effective development teams

PEK_W03 Explain the procedures needed to monitor, control and report upon an IT development project

PEK_W04 Explain the ways in which appropriate quality attributes of the products of an IT development project can be assessed and assured

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relating to skills:

PEK_U01 demonstrate an ability to prepare a project charter of simple project
 PEK_U02 apply basic project planning techniques and to assign resources to project tasks
 PEK_U03 apply basic project cost estimation techniques

relating to social competences:

PEK_K01 understand how to work as team member and as individual without affecting the quality of project; understanding of steps needed to build and maintain effective development teams

PEK_K02 understanding where apply the principles of project risk management

PROGRAMME CONTENT

Form of classes - lecture		Number of hours
Lec 1	Basic notions in project management. Feasibility study	2
Lec 2	Project planning and scheduling techniques for plan driven methods	2
Lec 3	Project planning and scheduling techniques for agile driven methods	2
Lec 4	Project resources. Project risk. Project cost estimation	3
Lec 5	Team management (organization and decision-making, roles and responsibilities in a software team).	3
Lec 6	Communication in project	2
Lec 7	Project tracking and progress monitoring	1
Lec 8	Software quality.	2
Lec 9	Process quality. ISO and SEI quality standards	2
Lec 10	Software Quality Assurance methods and techniques	2
Lec 11	Tools for project management	2
Lec 12&13	Methodologies of software project management- review (PRINCE2,DSDM,Scrum.)	4
Lec 14	Software Implementation and deployment projects	2
Lec 15	Test	1
	Total hours	30
Form of classes - class		Number of hours
Cl 1		
Cl 2		
Cl 3		
Cl 4		
..		
	Total hours	
Form of classes - laboratory		Number of hours
Lab 1	Introductory lab: safety regulation; introduction to MSProject 2010.	1
Lab 2	Project scope definition; requirements specification.	2
Lab 3	Traditional project planning and scheduling	2
Lab 4	Agile project planning and scheduling	2
Lab 5	Project Resource definition and assignments	2
Lab 6	Project cost estimation; project task tracking	4

Lab7	Summary-Reporting project planning results	2
	Total hours	15
Form of classes - project		Number of hours
Proj 1		
Proj 2		
Proj 3		
Proj 4		
...		
	Total hours	
Form of classes - seminar		Number of hours
Sem 1		
Sem 2		
Sem 3		
Sem 4		
....		
	Total hours	
TEACHING TOOLS USED		
N1. Informative lectures supporting with PowerPoint presentations		
N2. Software for software project management		
N3. Examples of managerial documentation of projects published on e-learning system		

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	PEK_U01- PEK_U03	Grades based on completeness, on time and quality of laboratory assignments
F2	PEK_W01- PEK_W04	Grade based on multichoice test result

C Grading Scale - final grade will be based on the following scale: A=100-93; B=92-85; C=84-77; D=76-70; F=69-0; Final course grade will be based upon the following weights for categories of assessments: <ul style="list-style-type: none"> • Weekly course participation 10% • laboratory assignments 40% • final test 50%
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PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

[1] Kenneth R. Bainey. Integrated IT Project Management: A Model-Centric Approach. Artech House. –2004. - 502p

[2] Paul E Harris. Planning and Control Using Microsoft® Project and PMBOK® Guide Third Edition. Eastwood Harris Pty Ltd. – 2005. – 300 p

[3] Robert K. Wysocki and Rudd McGary, “Effective Project Management”, 3rd edition, Wiley

[4] E-Book – Project Management Body of Knowledge

SECONDARY LITERATURE:

[1]

[2]

[3]

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

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR
SUBJECT
Software Project Management
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY
Computer Science
AND SPECIALIZATION

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)	K1INF_W18	C1	Lec 1-4, Lec 7-10,14	N1,N3
PEK_W02	K1INF_W18	C1,C2	Lec5	N1,N3
PEK_W03	K1INF_W18	C1,C2	Lec 6, Lec 7, Lec 12-13	N1,N2,N3
PEK_W04	K1INF_W18	C1,C2	Lec 8- 11	
PEK_U01 (skills)	K1INF_U14, K1INF_U10	C2	Lab1,Lab2,	N2,N3
PEK_U02	K1INF_U10	C2	Lab3,lab4	N2,N3
PEK_U03	K1INF_U10	C2	Lab5,lab6	N2,N3
PEK_K01 (competences)	K1INF_K02	C1	Lec5, Lec 6	N1,N3
PEK_K02	K1INF_K02	C1	Lec 4-7	N1,N3

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

*** - from table above