

Faculty of Computer Science and Management/ DEPARTMENT.....					
SUBJECT CARD					
Name in Polish Technologie implementacji systemów informatycznych					
Name in English Development technologies in information systems					
Main field of study (if applicable): Computer Science					
Specialization (if applicable): Designing IT Systems					
Level and form of studies: 2nd* level, part-time *					
Kind of subject: obligatory *					
Subject code INZ4214					
Group of courses NO*					
	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	18		18		
Number of hours of total student workload (CNPS)	90		75		
Form of crediting	crediting with grade*		crediting with grade*		
For group of courses mark (X) final course					
Number of ECTS points	3		2		
including number of ECTS points for practical (P) classes					
including number of ECTS points for direct teacher-student contact (BK) classes	1,2		0,8		

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES
Knowledge of databases, object-oriented programming, computer systems and networks

SUBJECT OBJECTIVES		
C1 To acquaint students with modern technologies implementation of information systems.		
C2 Gaining knowledge about the techniques of implementation of information systems.		
SUBJECT EDUCATIONAL EFFECTS		
relating to knowledge:		
PEK_W01 student has a thorough and systematic understanding of the implementation of information systems		
relating to skills:		
PEK_U01 student can freely select the method, tools and standards to address the problem of representation, search, information processing, information systems		
PEK_U02 student is able to properly design and verify component system		
PEK_U03 student is able to properly prepare yourself for work in computer labs and knows the rules of safety associated with this work		
PROGRAMME CONTENT		
Form of classes - lecture		Number of hours
Lec 1	Development Best Practices	1
Lec 2	Authentication and User Management	1

Lec 3	Conditions and Authorization Schemes	2
Lec 4	Data Security	2
Lec 5	Navigation and Layout	1
Lec 6	Reports and Charts	1
Lec 7	Ajax and JavaScript	1
Lec 8	File Storage	2
Lec 9	Reporting and Printing	1
Lec 10	Themes and Templates	1
Lec 11	Localization Issues	1
Lec 12	LDAP and Single Sign-On	1
Lec 13	Performance and Scalability	1
Lec 14	Production Issues and APEX Dictionary	1
Lec 15	Test	1
	Total hours	18
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	Development Best Practices, Authentication and User Management	2
Lab 2	Conditions and Authorization Schemes, Data Security	2
Lab 3	Navigation and Layout, Reports and Charts	2
Lab 4	Ajax and JavaScript, File Storage	2
Lab 5	Reporting and Printing, Themes and Templates	2
Lab 6	Localization Issues, LDAP and Single Sign-On	2
Lab 7	Performance and Scalability, Production Issues APEX Dictionary, APEX Dictionary	3
Lab 8	Test	1
	Total hours	18
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		
...		
	Total hours	
TEACHING TOOLS USED		
N1. Traditional lecture N2. Laboratory N3. Consultation N4. Student self-preparation laboratory		

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
P - laboratory	PEK_U01, PEK_U02, PEK_U03,	Final test; written confirmation of knowledge of safety rules in the computer laboratory; compliance with safety rules during classes
P - lecture	PEK_W01	Final test

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

[1] J.E. Scott, S. Spendolini, Pro Oracle Application Express, Apress 2008

[2] R. Greenwald, Beginning Oracle Application Express, Wiley Publishing, Inc. 2009

SECONDARY LITERATURE:

[1] Laudon K. C. and Laudon J. P., Essentials of Management Information Systems, 8th Edition, Pearson, 2008

[2] O'Brien J. A. and Marakas G. M., Introduction to Information Systems, 14th Edition, McGraw-Hill Irwin, 2008

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)
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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR
SUBJECT

Development technologies in information systems
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY
Computer Science
AND SPECIALIZATION **Designing IT Systems**

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_W02 K2INF_W06_S2PSI_W03	C1	Lec1-14	N1
PEK_U01 (skills)	K2INF_U08_S2PSI_U10	C2	Lab1-7	N1-4
PEK_U02	K2INF_U08_S2PSI_U8	C2,	Lab1-7	N1-4
PEK_U03	K2INF_U09	C2	Lab1-7	N1-4

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

*** - from table above