

FACULTY OF COMPUTER SCIENCE AND MANAGEMENT**SUBJECT CARD**

Name in Polish Analiza systemów informacyjnych
Name in English Information Systems Analysis
Main field of study (if applicable): Management
Specialization (if applicable): Business Information System (BIS)
Level and form of studies: 2nd level, full-time
Kind of subject: obligatory
Subject code IEZ1201
Group of courses NO

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	15				
Number of hours of total student workload (CNPS)	30				
Form of crediting	crediting with grade				
For group of courses mark (X) final course					
Number of ECTS points	1				
including number of ECTS points for practical (P) classes					
including number of ECTS points for direct teacher-student contact (BK) classes	0,5				

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. No prerequisites

SUBJECT OBJECTIVES

- C1 Provide an organizational context and background for the information system;
- C2 Introduce general information systems analysis concepts and principles for information requirements gathering and specification process.
- C3 Assess alternative approaches to developing information systems and information strategies for a business organization.

SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

PEK_W01 Knows and understands the business context of information system.

PEK_W02 Knows a typical information Systems Development Life Cycle (SDLC) and principles of information strategy planning.

PEK_W02 Knows the principles, terminology and techniques associated with information systems analysis – especially with information requirements identification.

relating to skills:

relating to social competences:

PEK_K01 Capable to develop her/his knowledge and skills, to collaborate and to work in groups, ready to identify, analyze and solve problems in the area of information system development projects from a stakeholder/analyst point of view.

PEK_K02. Capable to effectively communicate ideas of information systems analysis during information requirements gathering and specification process.

PROGRAMME CONTENT

Form of classes - lecture		Number of hours
Lec 1	Introduction to information systems – general systems theory and business context. Components of information system.	2
Lec 2	Information Systems Development Life Cycles (SDLC) models.	2
Lec 3	Analysts and stakeholders perspectives of information system analysis	2
Lec 4	Information system architecture.	2
Lec 5	Methods and techniques for information requirements gathering.	2
Lec 6	Information requirements analysis and specification process.	2
Lec 7	Information strategy planning.	2
Lec 8	Acceptance written test.	1
	Total hours	15
Form of classes - class		Number of hours
Cl 1		
Cl 2		
Cl 3		
	Total hours	
Form of classes - laboratory		Number of hours
Lab 1		
Lab 2		
Lab 3		
	Total hours	
Form of classes - project		Number of hours
Proj 1		
Proj 2		

Proj 3		
	Total hours	
Form of classes - seminar		Number of hours
Sem 1		
Sem 2		
Sem 3		
	Total hours	
TEACHING TOOLS USED		
N1. Lecture		
N2. Multimedia presentation		
N3. Written test		

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	<i>PEK_W01</i> <i>PEK_W02</i> <i>PEK_W03</i> <i>PEK_K01(partialy)</i> <i>PEK_K02(partialy)</i>	Written test
P=1, F=0		

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] Kendall, K.E. & Kendall, J.E., Systems Analysis & Design, 7th ed., Upper Saddle River : Pearson/Prentice Hall, cop. 2008.
- [2] Chaffey, D. & White, D., Business Information Management, 2nd ed., Harlow [etc.] : Pearson Education, 2011.
- [3] Ward J., Peppard J., Strategic Planning for Information Systems, 3rd ed., Chichester : John Wiley & Sons, 2009.

SECONDARY LITERATURE:

- [1] Alexander I.F., Stevens R., Writing Better Requirements, Addison-Wesley, 2002.
- [2] Cadle J., Paul D, Turner P., Business Analysis Techniques, British Informatics Society, Swindon, 2010
- [3] Robertson S & Robertson J., Mastering Requirements Process, 2nd ed., Addison-Wesley, Boston 2006.

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

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT
Information Systems Analysis
AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Management**
AND SPECIALIZATION **Business Information 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)	K2_ZARZ_W05; K2_ZARZ_W06	C1	Lec 1, Lec 3, Lec 4, Lec 5, Lec 7	N1, N2, N3
PEK_W02	S2_BIS_W05	C3	Lec 2, Lec 4	N1, N2, N3
PEK_W03	S2_BIS_W05	C2	Lec 1, Lec 5, Lec 6	N1, N2, N3
PEK_K01 (competences)	K2_ZARZ_K06	C1,C3	Lec 2, Lec 3, Lec 5, Lec 6	N1, N2, N3
PEK_K02	K2_ZARZ_K06	C2	Lec 2, Lec 3, Lec 5, Lec 6	N1, N2, N3

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

*** - from table above