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

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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 Asses 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	*PEK_W01* *PEK_W02* *PEK_W03* *PEK_K01(partialy)* *PEK_K02(partialy)*	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