

FACULTY OF COMPUTER SCIENCE AND MANAGEMENT					
<b>SUBJECT CARD</b>					
<b>Name in Polish: Badanie wymagań użytkowników systemów informacyjnych</b>					
<b>Name in English: Investigation of MIS requirements</b>					
<b>Main field of study (if applicable): Management</b>					
<b>Specialization (if applicable): Organizational management</b>					
<b>Level and form of studies: 1st level, full-time</b>					
<b>Kind of subject: optional</b>					
<b>Subject code: IEZ1209</b>					
<b>Group of courses: NO</b>					
	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	<b>15</b>	<b>15</b>			
Number of hours of total student workload (CNPS)	<b>30</b>	<b>30</b>			
Form of crediting	<b>crediting with grade</b>	<b>crediting with grade</b>			
For group of courses mark (X) final course					
Number of ECTS points	<b>1</b>	<b>1</b>			
including number of ECTS points for practical (P) classes		<b>1</b>			
including number of ECTS points for direct teacher-student contact (BK) classes	<b>0,5</b>	<b>0,5</b>			

\*delete as applicable

**PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES**

1. General knowledge about the management essentials and organizational science.
2. General knowledge about the concept and application of information technology in management, the most commonly used office software tools and their application in management.

**SUBJECT OBJECTIVES**

- C1. To understand the relations between information system and the enterprise.
- C2. To understand the role of requirements analysis in project of information system.
- C3. To use different techniques of gathering and documenting information requirements.
- C4. To acquire social competences specific for analyzing the management information systems and identifying information requirements for such systems.

**SUBJECT EDUCATIONAL EFFECTS**

Relating to knowledge, the students:

PEK\_W01 – Know selected methods of organization information systems identification and analysis.

PEK\_W02 – Know selected methods of gathering the information requirements for planning computer systems for the organization.

Relating to skills, the students:

PEK\_U01 – Can identify and analyze the needs of organization information systems users.

PEK\_U02 – Know how to gather the information from users.

PEK\_U02 – Know how to analyze the decisions and documents in the organization.

Relating to social competences, the students:

PEK\_K01 – Can search for and choose professional methods to solve problems, take responsibility for their choices, communicate, persuade and defend their views related to the analysis of information systems.

### PROGRAMME CONTENT

<b>Form of classes - lecture</b>		<b>Number of hours</b>
Lec 1	Organization and its information system: Information system definition. Elements that determine information requirements of information systems users: organizational goals, problems and critical success factors identification.	2
Lec 2	Classification of computer systems . Information requirements analysis in project management.	2
Lec 3	Planning and conducting business interviewing/survey	2
Lec 4	Document analysis: identification method of information requirements.	2
Lec 5	Decision making processes as sources of dynamic (semi- or non-measurable) requirements.	2
Lec 6	Other techniques for gathering and analyzing information requirements: brainstorming, prototyping, interface analysis etc.	2
Lec 7	Information requirements engineering methodology: User and system analyst. Phases of requirements identification, analysis and documentation process, classification criteria of information requirements, validation and verification rules	2
Lec 8	Written test (P)	1
	Total hours	15
<b>Form of classes - class</b>		<b>Number of hours</b>
Cl 1	Information system environment (organization).	2
Cl 2	Information subsystems identification. Processes in the subsystems. Identification of problems with information flow.	2
Cl 3	Preparing information investigation plan for subsystem.	2
Cl 4	Planning business interviewing.	2
Cl 5	Planning survey.	2
Cl 6	Analysis of selected organizational documents.	2
Cl 7	Analysis of selected organizational decisions.	2
Cl 8	Reports evaluation.	1
	Total hours	15
<b>Form of classes - laboratory</b>		<b>Number of hours</b>
Lab 1		
	Total hours	

<b>Form of classes - project</b>		<b>Number of hours</b>
Proj 1		
	Total hours	
<b>Form of classes - seminar</b>		<b>Number of hours</b>
Sem 1		
	Total hours	
<b>TEACHING TOOLS USED</b>		
N1. Lecture N2. Multimedia presentation N3. Attitude and behavior of the teacher N4. Group discussion during classes N5. Preparation of analysis report N6. Written test		

#### **EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT**

<b>Evaluation</b> (F – forming (during semester), P – concluding (at semester end))	<b>Educational effect number</b>	<b>Way of evaluating educational effect achievement</b>
P	PEK_W01 PEK_W02	Written test
F1	PEK_W01 PEK_W02 PEK_U01 PEK_U02 PEK_U03 PEK_K01(partialy)	Evaluation of analysis report
F2	PEK_U01 PEK_U02 PEK_U03 PEK_K01(partialy)	Evaluation of the group discussion during classes
PL = P, PC=F1+F2 according to the scale		
<b>PRIMARY AND SECONDARY LITERATURE</b>		

**PRIMARY LITERATURE:**

1. Kendall, K.E., Kendall, J.E., Systems Analysis and Design, 7th ed., Prentice-Hall, 2009.
2. Powers M.J., Adams D.R., Mills H.D., Computer Information Systems Development: Analysis and Design, South-Western, 1984.
3. Robertson S., Robertson J., Mastering Requirements Process, 2nd ed., Addison-Wesley, Boston 2006.

**SECONDARY LITERATURE:**

1. Hickman L., Longman C., Business Interviewing, Addison-Wesley Publishing Co., 1994.
2. DeMarco T. et al., Adrenaline Junkies and Template Zombies, Dorset House, New York, 2008.

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

Ewa Pralat, ewa.pralat@pwr.wroc.pl

MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT  
**Investigation of MIS requirements**  
 AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Management**  
 AND SPECIALIZATION **Organizational Management**

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	S1_ZARZ_OM_W06	C1, C2	Lec 1, Lec 2	N1, N2, N3
PEK_W02	S1_ZARZ_OM_W06	C2, C3	Lec 3 - Lec 7	N1, N2, N3
PEK_U01	S1_ZARZ_OM_U05	C1 - C4	CI 2 - CI 7	N4
PEK_U02	S1_ZARZ_OM_U05	C1 - C4	CI 3 – CI 5	N4
PEK_U03	S1_ZARZ_OM_U05	C1 - C4	CI 6, CI 7	N4

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

\*\*\* - from table above