

Faculty of Computer Science and Management					
SUBJECT CARD					
Name in Polish Modelowanie procesów biznesowych					
Name in English Business Process Modeling					
Main field of study (if applicable): Management					
Specialization (if applicable): Business Information Systems					
Level and form of studies: 2nd level, full-time					
Kind of subject: obligatory					
Subject code IEZ2201					
Group of courses NO					

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	15		15	15	
Number of hours of total student workload (CNPS)	60		60	60	
Form of crediting	crediting with grade		crediting with grade	crediting with grade	
For group of courses mark (X) final course					
Number of ECTS points	2		2	2	
including number of ECTS points for practical (P) classes			2	2	
including number of ECTS points for direct teacher-student contact (BK) classes	0,5		0,5	0,5	

*delete as applicable

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

Knowledge about:

1. essentials of informatics,
2. technologies of data operations,
3. information systems,
4. theory of organisation and management
5. essentials of enterprise management

SUBJECT OBJECTIVES

- C1 Knowledge of approaches to business process modeling
 C2 Knowledge of main BPM methodologies and notations
 C3 Ability to state requirements and modeling business processes

SUBJECT EDUCATIONAL EFFECTS

relating to knowledge:

PEK_W01 – knowledge of MIS history and new approaches

relating to skills:

PEK_U01 – ability to set goals for the MIS implementation

relating to social competences:

PEK_K01 – developing ability to think independently and creatively

PROGRAMME CONTENT		
Form of classes - lecture		Number of hours
Lec 1	Introduction to process modeling	2
Lec 2	Process modeling as a optimization tool	2
Lec 3	Methods of business process modeling	2
Lec 4	Business process perspectives	2
Lec 5	Perspective of processes	2
Lec 6	Maps of processes	2
Lec 7	BPR	2
Lec 8	Conclusion	1
	Total hours	15
Form of classes - class		Number of hours
Form of classes - laboratory		Number of hours
Lab 1	Introduction to BPM IT tools	2
Lab 2	Designing of organization structure	2
Lab 3	Designing of data structure	2
Lab 4	Designing of functional tree	2
Lab 5	Designing of EPC models	2
Lab 6	Designing of business processes using BPMN	2
Lab 7	Planning the tusiness proces implementation	2
Lab 8	Conclusion	1
	Total hours	15
Form of classes - project		Number of hours
Proj 1	Selectiong of the organization	2
Proj 2	Organizational chart	2
Proj 3	EPM model	2
Proj 4	Functional tree	2
Proj 5	EPC model	2
Proj 6	Value Add Chain model	2
Proj 7	BPMN model	2
Proj 8	Conclusion	1

Total hours	15
Form of classes - seminar	Number of hours
TEACHING TOOLS USED	
N1. Traditional lecture N2. Using BPM IT tool N3. Self-learning	

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_W01	test
F2	PEK_W01 PEK_U01 PEK_K01	Evaluation of the project
C = F1 + F2		

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

- [1] White, Stephen A, and Miers, Derek (2008 August 28). BPMN Modeling and Reference Guide. Future Strategies Inc.. ISBN 978-0-9777-5272-0.
 [2] Debevoise, Neilson T, et. al (2008 July 4). The MicroGuide to Process Modeling in BPMN. BookSurge Publishing. ISBN 978-1-4196-9310-6.
 [3] Briol P. (2008 April 12). BPMN, the Business Process Modeling Notation Pocket Handbook. LuLu. ISBN 978-1-4092-0299-8.

SECONDARY LITERATURE:

- [1] BABOK (www.iiba.org)
 [2] Business Process Modeling forums

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

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MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT
Business Process Modeling
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	K2_ZARZ_W06 K2_ZARZ_W13 S2_BIS_W04	C1	Lec1-Lec7	N1
PEK_U01	K2_ZARZ_U13 S2_BIS_U05	C2 C3	Lab1 - Lab7 Proj1 – Proj7	N1 N2 N3
PEK_K01	K2_ZARZ_K02	C3	Proj1 – Proj7	N2 N3

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

*** - from table above