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
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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 optimalization 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 organizaction	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