COURSE DESCRIPTION CARD - SYLLABUS

Course name

Business Process Modeling

Course

Field of study

Management and Production Egineering

Year/Semester

2/3

Area of study (specialization)

Computerisation in Production

Profile of study

general academic

Level of study

Second-cycle studies

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

15

Other (e.g. online)

Tutorials

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

Prerequisites

Principles of management.

Course objective

Familiarizing the students with most popular standards of business process modeling.

Course-related learning outcomes

Knowledge

Knows the principles of process-oriented organization. Knows the advantages and disadvantages of process-oriented organization. Knows the most popular business process modeling standards, their advantages, disadvantages, scope of applications and differences betweem them.

Skills

Can model business processes in most popular standards. Can transform model from one standard into another.

Social competences

Communication with specialists from the company (i.e. processes owners) in order to acquisition of data necessary for process modeling. Presentation of modeling outcomes for company managers.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: colloquium at the end of the course.

Laboratory: assessments of part of the work according to the particular modeling standards.

Programme content

Lecture: Business process - definition. Process-oriented organization. Standards of business process models. Business Process Model and Notation (BPMN) standard. UML standard and modeling of business processes using selected UML diagrams. ARIS methodology and EPC (Event-driven Process Chain) modeling standard.

Laboratory: modeling of business processes using BPMN, UML (selected diagram types) and EPC modeling standards.

Teaching methods

Lecture: multimedia presentation illustrated with examples given on a board.

Laboratory: implementation of models using dedicated modeling environments.

Bibliography

Basic

SILVER B., BPMN Method and Style, Cody-Cassidy Press, 2009.

GABRYELCZYK R., ARIS w modelowaniu procesów biznesu, Difin, Warszawa 2006.

ŚMIAŁEK M., Zrozumieć UML 2.0, Helion, Gliwice 2005.

Additional

Business Process Model and Notation (BPMN) specification (version: 2.0.2, available free of charge from: http://www.omg.org/spec/BPMN)

Unified Modeling Language specification (version: 2.5.1, available free of charge from: http://www.omg.org/spec/UML/About-UML)

Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	30	1,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation)[1]	20	0,5

[1] delete or add other activities as appropriate