Business Process Management Systems: Syllabus

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Instructor – Vesna Bosilj Vuksic

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Instructor – Vesna Bosilj Vuksic

TEACHING EXPERIENCE

- Undergraduate courses in
  "IT & Business Process Modelling"
  "Simulation Modelling"
  "Business Information Systems"
- Postgraduate courses in
  "Business Process Management"
  "Knowledge Management"

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Instructor – Vesna Bosilj Vuksic

RESEARCH EXPERIENCE

- Primary field: Information Science
- Secondary field: Information Systems, Simulation Modelling, Business Process Modelling

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Communications

- I read my email every day, and will make every effort to answer queries within 24 hours (or faster)

Course Description

- The course aims at developing knowledge and skills related to information technology (IT), business process modeling (BPM) and business process management projects.
- It examines the design of an organization's structure and business processes.
- The course primarily focuses on the application of conceptual methods and software tools to analyze, transform and automate business processes and improve their performance.

Course Description

- Case studies, assignments and exercises will be used
- A practical business process modelling assignment will be set to develop skills in process modelling.

Course Objectives

At the end of the course students should be able to:

- use methods and tools for business process modeling,
- understand the basic concept of business process modeling
- evaluate a variety of approaches to using IT to change organizations,
- evaluate problems in the planning and implementation of organizational change and information system development

Course Materials

Prescribed textbook

- P. Harmon: Business Process Change, Second Edition: A Guide for Business Managers and BPM and Six Sigma Professionals, Morgan Kaufmann Publishers, 2007.

Recommended reading

- M. Dumas, M. La Rosa, J. Mendling, Fundamentals of Business Process Management, Springer; 2013

Course Materials

Some useful web sites:

- Business Process Trends: http://www.bptrends.com
- Object Management Group - Business Process Management Initiative: http://www.bpmn.org/
- ARIS Community: http://www.ariscommunity.com/
- About Bizagi Process Modeler:
  http://www.bizagi.com/index.php/products/bizagi-process-modeler#freeware
  http://www.bizagi.com/index.php?option=com_content&view=article&id=95&Itemid=107

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http://www.efzg.unizg.hr/default.aspx?id=17130

Dobro došli › Katedre › Katedra za informatiku › Članovi › Prof. dr. sc. Vesna Bosilj Vukšić › Business process management systems ›

Business process management systems

School year 2012/2013

Business Process Management Systems course - outline: pdf

		BPMS 2013/2014 – course outline		
	Date	**Topic**	**Activities**	**Deliverables**
1	13.11.2014.	Business processes orientation About BPM	Assignment 1	
2	19.11.2014.	Business process modeling	Assignment 2	Homework 1
3	27.11.2014.	BPM and Information Systems	Assignment 3	Homework 2
4	04.12.2014.	Business Proces Analysis	Assignment 4	Homework 3
5	11.12.2014.	Continuous process improvement methods	Assignment 5	Homework 4
6	19.12.2014.	PC Lab: Business process modeling		Homework 5
7	08.01.2015.	PC Lab: Business process modeling		
8	15.01.2015.	PC Lab: Business process simulation		
9	22.01.2015.	PC Lab: Working on projects		
10	29.01.2015.	Presentations		Project

Guest lecturer

- Professor Mojca Indihar Štemberger
- Faculty of Economics Ljubljana
    □ Continuous process improvement methods

- December 11th 2014

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1. Criteria for successful completion of the course
1. Assignments
2. Homework
3. BPM project
1. Marking scheme
1. Assignments 25%
2. Homework   25%
3. BPM Project   50%

Deliverables

ASSIGNMENTS (25%)
- Will be handed out in class
- Each assignment study will be presented briefly
- Students are required to provide an insightful analysis based on their class readings and their interpretation of the case facts
- Each assignment will be assigned several study questions

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Deliverables

HOMEWORK (25%)
- Submit the homework in word-processed hardcopy (printed on paper).
- Add a title (cover) page to your work containing:
    □ Title, your name and date
- Bring your homework on a class (you have 7 days to finish it)

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Deliverables

BPM PROJECT (50%)

Students are expected to:

- Analyze a real organization
- Point out the obstacles, problems, weak points,….
- Develop and analyze AS-IS business process model
- Propose changes, propose a design for improving a business process using IT
- Develop TO-BE business process model
- Write the project report (10-12 single-spaced pages) explaining their proposals: improvements, benefits, cost-benefit analysis
- Present the project (in 20-25 minutes)

Deliverables

ABOUT BPM PROJECT & PC Lab

- To log on computers in PC Lab: AAI electronic identity (student's account) is required
- AAI@Edu.hr (EduRoam) electronic identity enables access to a number of services, such as:
  - □ scientific and research papers databases access (http://bib.irb.hr)
  - □ CARNet public modem Internet access
  - □ Mobile CARNet services (wireless Internet access powered by Vipnet service provider), ….
- Users account for listed services, AAI@Edu.hr identity and personal e-mail address can be obtained at IT Department by producing a studenet booklet ("Indeks") or student ID card ("iksica").

Grading

Grading for each deliverable will be done on a scale from 0-100.

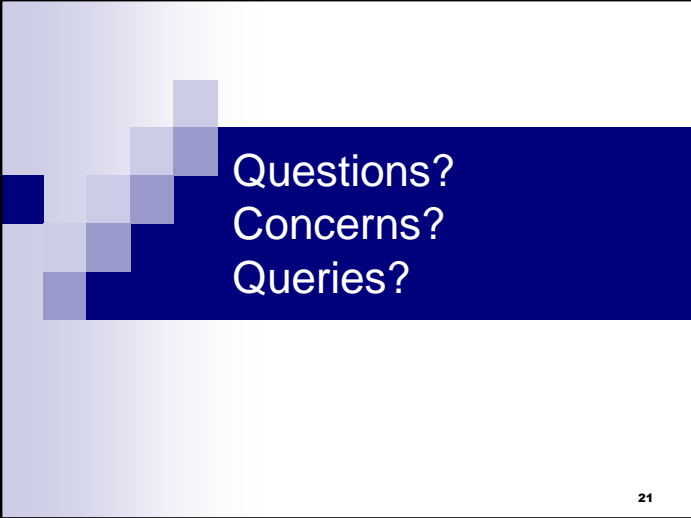| Types of Deliverable	Final Grade Weight
Assignment 1	5
Assignment 2	5
Assignment 3	5
Assignment 4	5
Assignment 5	5
Homework 1	5
Homework 2	5
Homework 3	5
Homework 4	5
Homework 5	5
Project – Models (AS IS, TO BE)	10
Project – Presentation	20
Project – Report	20
Total Grade	**100**

Grading

The final grade will be computed based on the weighting of the deliverables according to the following resolution:

Points (100 scale) Grade

90 – 100	5
75 – 89	4
60 – 74	3
50 – 59	2
0 – 49	1

Questions?
Concerns?
Queries?

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