AGENDA:
BUSINESS PROCESS MANAGEMENT

o. Univ. Prof. Prof h.c. Dr. Dimitris Karagiannis
Dr. Florin Abazi
Dr. Hans-Georg Fill
Mag. Wilfrid Utz

Monday, April 8, 2013	
Start at 9:30 on first day	
9:30 – 10:00	Introduction to Course Agenda Goal/Objective of course Evaluation Schema Introduction Lecturers, Institution, Objective and Technology Used
Florin Abazi	
10:00 – 11:00	**Foundations of Business Process Management** Introduction, Definition and Historical Evolution
Hans-Georg Fill	
11:00 – 11:15	BREAK
11:15 – 12:30	**BPM Lifecycles** Introduction to the BPMS Paradigm *Reading Assignment* Karagiannis et al.(1995): Introduction to Business Process Management Systems Concepts
Hans-Georg Fill	
12:30 – 14:00	LUNCH BREAK
14:00 – 14:30	**BPM Technologies** Technologies for Business Process Management *Reading Assignment* Junginger et al. (2004): Workflow-based Business Monitoring
Hans-Georg Fill	
14:30 – 15:30	**Break-Out: Nuclear Inspection Processes** Challenges from an Industrial Case
Florin Abazi	
15:30 – 15:45	BREAK
15:45 – 17:30	**Assignments & InClass Preparation** BPM Case Distribution for Domain Example in groups a 5 students *Assignment:* - Develop Business case following the BPMS paradigm *Result:* - 1 slide per subprocess to be handed in and presented
Florin Abazi, Hans-Georg Fill	

Tuesday, April 9, 2013

09:00 – 11:00	**Presentation of Assignment** 5 min presentation + 5min Q&A per Group
Florin Abazi, Hans-Georg Fill	

11:00 – 11:45	**Modelling Techniques for Business Processes** Theoretical Background, Practical Aspects and Tool Support *Reading Assignment* - Becker et al (2000): Guidelines of Business Process Modeling - Harmon (2010): The BPTrends 2010 BPM Software Tool Report - Karagiannis (2010): Business Process Management: A Holistic Management Approach
Hans-Georg Fill	

11:45 – 12:00	BREAK

12:00 – 12:30	**Introduction to ADONIS:CE** Introduction to the BPM toolkit ADONIS (www.adonis-community.com)
Hans-Georg Fill	

12:30 – 14:00	LUNCH BREAK

14:00 – 15:30	**Construction Principles in ADONIS** Familiarization with tookit following a guided example from the Monday session.
Hans-Georg Fill	

15:30 – 15:45	BREAK

15:45 – 17:30	**Assignments & InClass Preparation** *Assignment* - Domain specific case (as on Monday) in similar group setting. - Design process landscape for case - Design 5 processes per group (1 per person) - Develop an integrated view. *Result:* - Presentation and ADL submission - Presentation in front of class on Wednesday
Florin Abazi, Hans-Georg Fill	

Wednesday, April 10, 2013	
09:00 – 11:00	**Presentation of Assignment** 5 min presentation + 5min Q&A per Group
Florin Abazi, Hans-Georg Fill	

11:00 – 11:15	BREAK

11:15 – 12:00	**Business Process Modelling Languages** Language classification and types *Reading Assignment* - Boucher et al. (2003): Integrated Modelling and Simulation of Inter-Organisational Business Processes - van der Aalst (1998): Formalization and Verification of Event-driven Process Chains
Hans-Georg Fill	

12:00 – 12:30	**Break-Out: iSMM** A Domain-specific Business Process Modelling Language *Reading Assignment* - Abazi et al. (2009) Knowledge-Based Process for Nuclear Inspection
Florin Abazi	

12:30 – 14:00	LUNCH BREAK

14:00 – 15:30	**Analysis and Simulation Techniques for Business Processes** Theoretical Background, Practical Aspects and Tool Support *Reading Assignment* - Herbst et al. (1997): Simulation in Financial Services with the Business Process Management System ADONIS - Junginger et al. (1998): Evaluation of Financial Service Organizations with the ADONIS Simulation Agents
Hans-Georg Fill, Wilfrid Utz	

15:30 – 15:45	BREAK

15:45 – 17:30	**Assignments & InClass Preparation** Case development to simulatable models PART 1
Wilfrid Utz	

Thursday, April 11, 2013	
09:00 – 10:00	**Assignments & InClass Preparation** Case development to simulatable models PART 2
Wilfrid Utz	
10:00 – 10:15	BREAK
10:15 – 11:00	**Standardized BPM Languages: Business Process Modelling Notation (BPMN)**
Wilfrid Utz	
11:00 – 12:30	**Modelling, Analysis, Simualtion and Evaluation of BPMN Models** Same sample as above and transformation into BPMN 2.0
Wilfrid Utz	
12:30 – 14:00	LUNCH BREAK
14:00 – 15:30	**Selected Topics/Scenarios for Business Process Management**
Wilfrid Utz	
15:30 – 15:45	BREAK
15:45 – 17:30	**Assignments & InClass Preparation** *Assignment* - Domain specific case (as on previous days) in similar group setting. - Design and complete spider web of information - Add simulation specific data – as accurate as possible - Calculate manually and using the tool - Run simulation algorithms - Transform the processes in the business case into BPMN *Result:* - Presentation and ADL submission
Florin Abazi, Wilfrid Utz	

Friday, April 12, 2013	
09:00 – 11:00	**Presentation of assignment** 15 min presentation + 5 min Q&A per Group
Florin Abazi, Wilfrid Utz	
11:00 – 11:15	BREAK
11:15 – 12:30	**Introduction to case study "Airport"** - Case study description and format is presented - Evaluation of case study and expected results - Individual concept development on an individual basis
Florin Abazi	
12:30 – 13:30	**WrapUp & Q&A Case Study**
Wilfrid Utz	