

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Workflow management		Code 1010335441010337156
Field of study Computer Science	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty -	Subject offered in: polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) part-time	
No. of hours Lecture: 8 Classes: - Laboratory: - Project/seminars: 8		No. of credits 3
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 3 100%
Responsible for subject / lecturer: dr Jerzy Bartoszek email: jerzy.bartoszek@put.poznan.pl tel. 665-3724, 665-3729 Wydział Elektryczny ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student knows the typical computer engineering technologies.
2	Skills	Student is able to formulate requirements, develop and evaluate an object-oriented model of the system, taking into account the functions performed and the relationship between components of the system.
3	Social competencies	The student is aware of their own responsibility for their work and a willingness to comply with the principles of teamwork in implementation of the given tasks.
Assumptions and objectives of the course: Principles of workflow management systems.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student has a basic knowledge of computer systems characterized by specific features and specifications. - [K_W12]		
Skills:		
1. Student is able - working in a team - to specify parts of unusual or complex systems. - [K_U08]		
2. Student is able - working in a team - to design and implement parts of unusual or complex systems. - [K_U09]		
Social competencies:		
1. Student understands the need to inform the community on the achievements of science and other aspects of computer science engineer, shall endeavor to provide the information in an understandable way, presenting different points of view. - [K_K02]		
Assessment methods of study outcomes		
Lectures: written tests, pass criterion of 50.1% points Project labs: ocena wykonanych projektów i sprawozdań.		
Course description		
Lectures: Basic concepts, including processes, actions, events, partycypants. Modeling of the workflow: XPDL and BPMN. The basic components of workflow management systems. Examples of workflow management systems. Project labs: Projects carried out by groups of students.		

Basic bibliography:		
1. Bartoszek J., Brzykcy G., Wybrane elementy środowiska informatycznego, Wydawnictwo PP, Poznań, 2000		
Additional bibliography:		
1. http://www.wfmc.org/xpdl.html		
2. Subieta K., Zarzadzanie przeplywem pracy I 1998.ppt http://www.google.com/url?sa=t&#38;#38;rct=j&#38;#38;q=system%20zarz%C4%85dzania%20przep%C5%82ywem%20prac&#38;#38;source=web&#38;#38;cd=1&#38;#38;ved=0CCQQFjAA&#38;#38;url=http%3A%2F%2Fwww.ipipan.waw.pl%2F~su%2Fprezentacje%2FZarzadzanie%2520przeplywem%2520pracy%2520I%25201998.PPT&#38;#38;ei=2i5eT_vfM8aAO%2Fah9JoN&#38;#38;usg=AFQjCNEWLXzo6L-wEMhTCLiEXZnk3LA-bA&#38;#38;cad=rja		
3. Subieta K., Zarzadzanie przeplywem pracy II 1998.ppt http://www.google.com/url?sa=t&#38;#38;rct=j&#38;#38;q=system%20zarz%C4%85dzania%20przep%C5%82ywem%20prac&#38;#38;source=web&#38;#38;cd=2&#38;#38;ved=0CC0QFjAB&#38;#38;url=http%3A%2F%2Fwww.ipipan.waw.pl%2F~su%2Fprezentacje%2FZarzadzanie%2520przeplywem%2520pracy%2520II%25201998.PPT&#38;#38;ei=2i5eT_vfM8aAO%2Fpah9JoN&#38;#38;usg=AFQjCNEqhRtf4KtJIRFVHqygc1_Xdkjpw&#38;#38;cad=rja		
Result of average student's workload		
Activity	Time (working hours)	
1. Participation in lectures	8	
2. Participation in project labs.	8	
3. Project modeling and design	15	
4. Consultations	8	
5. Studying additional problems mentioned in the lectures	36	
Student's workload		
Source of workload	hours	ECTS
Total workload	75	3
Contact hours	24	1
Practical activities	23	1