STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Workflow management		**1010335541010337156**
Field of study: **Information Engineering**	Profile of study (general academic, practical): **(brak)**	Year /Semester: **2 / 4**
Elective path/specialty: **Information Technologies**	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:

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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&rct=j&q=system%20zarz%C4%85dzania%20przep%C5%82ywem%20prac&source=web&cd=1&ved=0CCQQFjAA&url=http%3A%2F%2Fwww.ipipan.waw.pl%2F~subieta%2Fprezentacje%2FZarzadzanie%2520przeplywem%2520pracy%2520I%25201998.PPT&ei=2i5eT_vfM8aAOpah9JoN&usg=AFQjCNEWLXzo6L-wEMhTCLiEXZNk3LA-bA&cad=rja

3. Subieta K., Zarzadzanie przeplywem pracy II 1998.ppt
http://www.google.com/url?sa=t&rct=j&q=system%20zarz%C4%85dzania%20przep%C5%82ywem%20prac&source=web&cd=2&ved=0CC0QFjAB&url=http%3A%2F%2Fwww.ipipan.waw.pl%2F~subieta%2Fprezentacje%2FZarzadzanie%2520przeplywem%2520pracy%2520II%25201998.PPT&ei=2i5eT_vfM8aAOpah9JoN&usg=AFQjCNEqhRtf4KtJlRFVHqygc1_Xdkjjpw&cad=rja

Result of average student's workload

Activity	Time (working hours)
1. Paricipation 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