		STUDY MODULE D	ESCRIPTION FORM			
Name of the module/subject Tools of information management system design					Code 1011102311011165111	
Field of Engi		ment - Full-time studies -	Profile of study (general academic, practical) <b>(brak)</b>	)	Year /Semester	
Elective	path/specialty Enter	prise Management	Subject offered in: Polish		Course (compulsory, elective) elective	
Cycle of	f study:		Form of study (full-time,part-time)			
	Second-c	ycle studies	full-time			
No. of h				. –	No. of credits	
Lectur	Classes		i rejecticermitare.	15	4	
Status c		program (Basic, major, other)	(university-wide, from another	,	<b></b>	
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	on areas and fields of sci	ence and art			ECTS distribution (number and %)	
socia	Il sciences				4 100%	
	Economics				4 100%	
Resp	onsible for subj	ect / lecturer:	Responsible for subje	ct /	lecturer:	
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	ail: stefan.trzcielinski@	put.poznan.pl	email: joanna.kalkowska@	put.	poznan.pl	
tel. 61 665 33 72 Faculty of Engineering Management Faculty of Engineering						
	ulty of Engineering Ma	anagement	Faculty of Engineering Ma	nade	ment	
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1. Student is able to use theoretical knowledge to identify causes and follow of information processes supported by computing system - [K2A\_U02]

2. Student is able to analyze disruption causes and follow of information processes supporting by computing system - [K2A\_U03]

3. Student is able to forecast and modeling complex decision-making processes using computer aided methods - [K2A\_U04]

4. Student has ability of proper selection of tools supporting design and modeling information processes - [K2A\_U06]

5. Student is able to propose solutions in designing processes and information systems supported by computing system - [K2A\_U07]

#### Social competencies:

1. Student is conscious to be opened for the propositions of alternative solutions of designing ednterprise?s information system supporting by computer system - [K1A\_K02]

2. Student is responsible for carry out the implementation of information technologies IT supporting management in enterprise - [K1A\_K03]

3. Student is conscious of interdisciplinary knowledge and skills required to solve complex problems while designing information systems - [K1A\_K06]

### Assessment methods of study outcomes

-Forming grade:

a) projects - on the basis of the evaluation the systematical progress of carried out tasks b) lectures: on the basis of the answers to the questions concerning the discussed problems at the previous lectures,

Sum up grade:

a) projects: (1)public presentation of the prepared projects; (2) form and quality of prepared materials

b) lectures: test of 15 questions (at least the 55% of answers have to be correct)

# **Course description**

- Enterprise?s management system and its subsystems. Approaches to management systems design. Process orientation in modeling management systems. Modeling management systems with using function tree approach, modules methods Buschardt method. Computer tools supported modeling information systems: OBDOK, ARIS, WorkFlow

### Basic bibliography:

1. Adamczyk M., Jurga A., Kałkowska J., Pawłowski E., Włodarkiewicz-Klimek H., Projektowanie systemów informacyjnych zarządzania, Wydawnictwo Politechniki Poznańskiej, Poznań, 2010

2. Pawłowski E., Trzcieliński S., Zarządzanie przedsiębiorstwem. Funkcje i struktury. Wydawnictwo Politechniki Poznańskiej, 2011

3. Heijden H., Designing management information systems, Oxford University Press, New York, 2009

## Additional bibliography:

1. Grudzewski W., Hejduk I., Projektowanie systemów zarządzania, Difin, Warszawa, 2007

2. Kisielnicki J., Sroka H., Systemy informacyjne biznesu. Informatyka dla zarządzania, Placet, Warszawa, 2005

## Result of average student's workload

Activity	Time (working hours)
1. Lectures	15
2. Projects	15
3. Own study	20
4. Consultation	20
5. Preparation for passing project	12
6. Preparation for passing lectures	14
7. Project evaluation	2
8. Lectures evaluation	2

## Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	54	2
Practical activities	47	2