Code

Name of the module/subject

Modelling and analysis of information systems					1010335511010335194	
Field of	study rmation Enginee	ring		Profile of study (general academic, practical)	Year /Semester	
		illig		(brak)	1/1	
Elective	e 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		
Lectu	re: 16 Classes	s: - Laboratory: 16	•	Project/seminars:	- 5	
Status	of the course in the study	program (Basic, major, other)		(university-wide, from another fi	eld)	
		(brak)			(brak)	
Educati	on areas and fields of sci	ence and art			ECTS distribution (number and %)	
dr ir ema tel. Wyd	nonsible for subjections. Ewa Idzikowska ail: ewa.idzikowska@p 61 665 35 31 dział Elektryczny Piotrowo 3A 60-965 Po	out.poznan.pl				
		is of knowledge, skills an	d s	ocial competencies:		
K W08						
1	Knowledge	 K_W09				
		K_U01				
2	Skills	K_U10				
3	Social competencies	x				
Assu	-	ectives of the course:				
The air	m of the course is to tr	ransfer knowledge about construct he process of design of IT system		and effective usage of analy	ytical, design and	
	Study outco	mes and reference to the	ed	ucational results for	a field of study	
Knov	vledge:					
	V05 - [-]					
2. K_V	V13 - [-]					
Skills	S:					
1. K_U	J05 - [- <u>]</u>		_			
	J11 <i>-</i> [-]					
Socia	al competencies:					
1. K_K	[01 - [-]					
		Assessment method	ds	of study outcomes		

STUDY MODULE DESCRIPTION FORM

Course description

Lecture: written exam. More than 50% of all points is necessary for positive result.

Laboratory: tests, exercises assessment, reports assessment.

Faculty of Electrical Engineering

Lecture. Information system, informative system. Architecture of information systems. Graphical User Interfaces (GUIs). Petri nets? modeling and analysis of systems. Design phase and implementation phase of the developed software. Software documentation, testing, installation and conservation phases. Management of a programming project. Schedules and monitoring of a software development process. Issues of quality and risk management in a programming project. Analysis of methods of development of complex systems.

Lab. Elaborating of system models, analysis of completeness of the elaborated models. Complementing a model. Project of an interface. Implementation of an interface. Implementation of modules of a model. Comparison of assumptions with the completed system.

Laboratorium. Opracowywanie modeli systemów, analiza kompletności utworzonych modeli. Uzupełnienie modelu. Projekt interfejsu. Implementacja interfejsu. Implementacja modułów modelu. Porównanie założeń ze zrealizowanym systemem.

Basic bibliography:

- 1. Modelowanie i implementacja systemów informatycznych, Trzaska M., Wyd. PJWSTK, Warszawa 2008.
- 2. Modelowanie systemów informatycznych w języku UML 2.1, Dąbrowski W., Stasiak A., Wolski M., Wydawnictwo Naukowe PWN SA, Warszawa 2007.

Additional bibliography:

1. Sieci Petriego w modelowaniu i analizie systemów współbieżnych, Szpyrka M., WNT, Warszawa, 2008.

Result of average student's workload

Activity	Time (working hours)
1. Lectures	16
2. Laboratory	16
3. Preparation to laboratory	48
4. Preparation of laboratory reports	30
5. Exam preparation	30
6. Consultations and exam	10

Student's workload

Source of workload	hours	ECTS
Total workload	150	6
Contact hours	42	3
Practical activities	94	3