

UNIVERSITY OF BIALYSTOK

FACULTY: Mathematics and Informatics

STUDY PLAN

COURSE Computer Science

level of education: Second degree studies

effective from the academic year

2018/2019

specialization: Internet and Mobile Technologies

educational profile: general academic

form of study: full-time studies

Study plan approved by the Faculty Council on

14.02.2018 (recruitment 2018/2019)

item	MODULE NAME/COURSE NAME	USOS course code	ECTS	exam after the semester	credit after semester	Number of classes										I year		II year									
						IN TOTAL	LECTURES	CLASSES	TUTORIALS	LABORATORIES	LABORATORIES - PROJECT	FOREIGN LANGUAGE COURSES	SEMINARS / PROSEMINARS	FIELD CLASSES	1 sem.		2 sem.		3 sem.		4 sem.						
															LECTURES	CT/TL/FSaP/FC	ECTS	LECTURES	CT/TL/FSaP/FC	ECTS	LECTURES	CT/TL/FSaP/FC	ECTS	LECTURES	CT/TL/FSaP/FC	ECTS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
MODULE 1. Modelling and Analysis of IT Systems																											
1	Modelling and Analysis of IT Systems	0600-IS2-1MASI#a	4		I	45	15			15	15				15	30	4										
TOTAL			4			45	15	0	0	15	15	0	0	0	15	30	4	0	0	0	0	0	0	0	0	0	0
MODULE 2 Advanced Databases																											
1	Advanced Databases	0600-IS2-1ZBD#a	4	I	I	45	15			30					15	30	4										
TOTAL			4			45	15	0	0	30	0	0	0	0	15	30	4	0	0	0	0	0	0	0	0	0	0
MODULE 3 Analytic Methods in Computer Science																											
1	Analytic Methods in Computer Science		4		I	45	15	30							15	30	4										
TOTAL			4			45	15	30	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0	0	0	0	0
MODULE 4 Global Optimization																											
1	Global Optimization	0600-IS2-1OG#a	4		I	45	15			15	15				15	30	4										
TOTAL			4			45	15	0	0	15	15	0	0	0	15	30	4	0	0	0	0	0	0	0	0	0	0
MODULE 5 Advanced Object-Oriented Programming																											
1	Advanced Object-Oriented Programming		4		I	30	15				15				15	15	4										
TOTAL			4			30	15	0	0	0	15	0	0	0	15	15	4	0	0	0	0	0	0	0	0	0	0
MODULE 6 Multimedia Techniques																											
1	Multimedia Techniques	0600-IS2-1TMUL#a	4		I	30	15			15					15	15	4										
TOTAL			4			30	15	0	0	15	0	0	0	0	15	15	4	0	0	0	0	0	0	0	0	0	0
MODULE 7 Projects of Web Application																											
1	Internet Applications Design	0600-IS2-1PAI#a	4		I	30	15			15					15	15	4										
TOTAL			4			30	15	0	0	15	0	0	0	0	15	15	4	0	0	0	0	0	0	0	0	0	0
MODULE 8 Algebraic Methods in Computer Science																											
1	Algebraic Methods in Computer Science	0600-IS2-1MAL#a	4		II	45	15	30									15	30	4								
TOTAL			4			45	15	30	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0	0	0
MODULE 9 Introduction to Fuzzy Modelling and Analysis																											
1	Introduction to Fuzzy Modelling and Analysis	0600-IS2-1PMSR#a	4		II	45	30			15							30	15	4								
TOTAL			4			45	30	0	0	15	0	0	0	0	0	0	30	15	4	0	0	0	0	0	0	0	0
MODULE 10 Expert Systems																											
1	Expert Systems	0600-IS2-1SE#a	3		II	30	15			15							15	15	3								

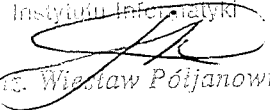
TOTAL			3			30	15	0	0	15	0	0	0	0	0	0	0	0	15	15	3	0	0	0	0	0	0	0
MODULE 11 Massive Parallel Computing																												
1	Massive Parallel Computing	0600-IS2-1MOR#a	4		II	45	15			30									15	30	4							
TOTAL			4			45	15	0	0	30	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0	0
MODULE 12 XML Technologies in Programming																												
1	XML Technologies in Programming	0600-IS2-1TXWP#a	4		II	45	15			30									15	30	4							
TOTAL			4			45	15	0	0	30	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0	0
MODULE 13 Multimedia System																												
1	Multimedia Systems		4		II	30	15			15									15	15	4							
TOTAL			4			30	15	0	0	15	0	0	0	0	0	0	0	0	15	15	4	0	0	0	0	0	0	0
MODULE 14 E-learning Systems																												
1	E-learning Systems	0600-IS2-1SZE#a	3	II	II	30	15			15									15	15	3							
TOTAL			3			30	15	0	0	15	0	0	0	0	0	0	0	0	15	15	3	0	0	0	0	0	0	0
MODULE 15 Mobile Technologies																												
1	Mobile Technologies	0600-IS2-1TMO#a	3		II	30	15			15									15	15	3							
TOTAL			3			30	15	0	0	15	0	0	0	0	0	0	0	0	15	15	3	0	0	0	0	0	0	0
MODULE 16 Security of Data and IT Systems																												
1	Security of Data and IT Systems	0600-IS2-2BDSI#a	4	III	III	45	15			30										15	30	4						
TOTAL			4			45	15	0	0	30	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0	0
MODULE 17 Advanced Algorithms and Data Structures																												
1	Advanced Algorithms and Data Structures	0600-IS2-2ZASD#a	4	III	III	45	30			15										30	15	4						
TOTAL			4			45	30	0	0	15	0	0	0	0	0	0	0	0	0	30	15	4	0	0	0	0	0	0
MODULE 18 Internet Data Analysis																												
1	Internet Data Analysis	0600-IS2-2ADI#a	3	III	III	30	15			15										15	15	3						
TOTAL			3			30	15	0	0	15	0	0	0	0	0	0	0	0	0	15	15	3	0	0	0	0	0	0
MODULE 19 Internet Frameworks:																												
1	Internet Frameworks	0600-IS2-2PFI#a	4		III	45	15			30										15	30	4						
TOTAL			4			45	15	0	0	30	0	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0
MODULE 20 Mobile Applications Programming																												
1	Mobile Applications Programming	0600-IS2-2PAM#a	4		III	45	15			15	15									15	30	4						
TOTAL			4			45	15	0	0	15	15	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0
MODULE 21 Network Programming																												
1	Network Programming	0600-IS2-2PSS#a	4	III	III	45	15			30										15	30	4						
TOTAL			4			45	15	0	0	30	0	0	0	0	0	0	0	0	0	15	30	4	0	0	0	0	0	0
MODULE 22 Management of IT Projects																												
1	Management of IT Projects	0600-IS2-2ZPI#a	4	IV	IV	30	15			15														15	15	4		
TOTAL			4			30	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	4		
MODULE 23 Humanities and Social Sciences Courses*																												
1	Course to choose from humanities or social sciences 1		2		III	10	10																					
2	Course to choose from humanities or social sciences 2		3		IV	25	10			15														10		2		
TOTAL			5			35	20	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	10	0	2	10	15	3
MODULE 24 Intellectual Property Rights																												
1	Intellectual Property Rights	0600-IS2-1OWI#a	1		I	10	10												10	1								
TOTAL			1			10	10	0	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	0
MODULE 25 Foreign language																												
1	Foreign language		2		I	30																						
2	English for IT Professionals	0600-IS2-1JAIT	2		II	30														30	2							
TOTAL			4			60	0	0	0	0	0	0	0	0	0	0	0	0	30	2	0	30	2	0	0	0	0	0

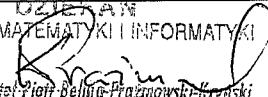
MODULE 26 M.Sc. Diploma Seminar																											
1	M.Sc. Diploma Seminar 1	0600-IS2-2SM1#a	3	III	30																30	3					
2	M.Sc. Diploma Seminar 2	0600-IS2-2SM2#a	3	IV	30																	30	3		30	3	
TOTAL			6		60	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	30	3	0	30	3
MODULE 27 M. Sc. Diploma Preparation Class																											
1	M. Sc. Diploma Preparation Class 1	0600-IS2-2PM1#a	2	III	15																	15	2				
2	M. Sc. Diploma Preparation Class 2	0600-IS2-2PM2#a	20	IV	45																					45	20
TOTAL			22		60	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	15	2	0	45	20
IN TOTAL			122		1080	390	60	0	438	75	60	60	0	115	195	31	135	195	31	115	195	30	25	105	30		

control sum 1 1080
control sum 2 1080

no. of exams/cred. 0 1 0 0 0 0 0 0 0 0

* course realized within the faculty's offer

ZASTĘPCA DYREKTORA
Instytutu Informatyki

dr inż. Wiesław Póujanowicz

ODZIEKAN
WYDZIAŁU MATEMATYKI I INFORMATYKI

dr hab. Krzysztof Piotr Banić-Prażmowski-Kujński
(Official stamp/signature)

