

Kierunek studiów: Computer Science

the first level studies in English

(from academic year 2007/2008)

Semester	Course	Code	Number of hours	ECTS	Form of assessment	2007/2008				2008/2009				2009/2010					
						Sem. I		Sem. II		Sem. III		Sem. IV		Sem. V		Sem. VI			
						lec.	tut.	lab.	ECTS	lec.	tut.	lab.	ECTS	lec.	tut.	lab.	ECTS	lec.	tut.
I	Application Software	AS0 ENG	30	3	C			30	3										
	Basic Computer Skills	BC0 ENG	30	3	C			30	3										
	Introduction to Computer Science	IC0 ENG	60	6	E	30	30		6										
	Introduction to Programming 1	IP1 ENG	60	6	E	30		30	6										
	Linear Algebra with Analytic Geometry	LA0 ENG	60	6	E	30	30		6										
	Mathematical Analysis for Computer Science Students 1	MA1 ENG	90	9	E	30	30	30	9										
Physical Education	WF1 OOO	30	0	C		30		0											
II	Elements of Algebra and Number Theory	EA0 ENG	60	6	E					30	30		6						
	Introduction to Operating Systems	IO0 ENG	60	6	E					30		30	6						
	Introduction to Programming 2	IP2 ENG	60	6	E					30		30	6						
	Logic with Elements of Set Theory	LS0 ENG	60	6	E					30	30		6						
	Mathematical Analysis for Computer Science Students 2	MA2 ENG	60	6	E					30	30		6						
Physical Education	WF2 OOO	30	0	C						30		0							
III	Computer Architecture	CA0 ENG	30	3	C									30			3		
	Computer Networks	CN0 ENG	60	6	E									30		30	6		
	Discrete Mathematics	DM0 ENG	60	6	E									30	30		6		
	Introduction to Databases	ID0 ENG	60	6	E									30		30	6		
	Programming Languages 1	PL1 ENG	60	6	C									30		30	6		
IV	Algorithms and Data Structures 1	AD1 ENG	60	6	E									30		30	6		
	Computer Graphics 1	CG1 ENG	60	6	E									30		30	6		
	Introduction to Numerical Methods	IN0 ENG	60	6	E									30		30	6		
	Probability Methods	PM0 ENG	60	6	E									30	30		6		
	Programming Languages 2	PL2 ENG	60	6	E									30		30	6		
	Physical Education	WF3 OOO	30	0	C										30		0		
V	Algorithms and Data Structures 2	AD2 ENG	60	6	E											30		30	6
	Degree Project 1	DP1 ENG	30	5	C												30	5	
	Embedded systems	MS0 ENG	30	3	C												30	3	
	Introduction to Differential Equations	DI0 ENG	60	6	E									30	30		6		
	Legal Aspects of Computer Science	LC0 ENG	30	2	C									30			2		
	Software Engineering	SI0 ENG	30	3	E									30			3		
<i>Optional course</i>		30	3	C												30	3		
VI	Degree Project 2	DP2 ENG	30	5	C													30	5
	Design of Computer Software Syst.	DS0 ENG	60	6	E											30		30	6
	Elements of Artificial Intelligence	EIO ENG	60	6	E											30		30	6
	Philosophy	PH0 ENG	30	2	C											30			2
	Visual Programming	VP0 ENG	60	6	E										30		30	6	
	XML Applications in the Internet	XM0 ENG	30	3	C													30	3
<i>Optional course</i>		30	3	C													30	3	
Apprenticeship				6															
Bachelor's Exam				10															
<b>Total</b>			<b>1860</b>	<b>195</b>		<b>360</b>	<b>33</b>	<b>330</b>	<b>30</b>	<b>270</b>	<b>27</b>	<b>330</b>	<b>30</b>	<b>270</b>	<b>28</b>	<b>300</b>	<b>31</b>		

lec - lectures  
tut - tutorials or seminars  
lab - computer lab.  
E - the course can be completed after passing an exam,  
C - the course can be completed after passing a test (not an exam)