

## COURSE CATALOGUE

### WARSAW SCHOOL OF INFORMATION TECHNOLOGY

COMPUTER SCIENCE, SECOND CYCLE, PART-TIME, I YEAR, I SEMESTER

No.	Name of Subjects	Contact hours						ECTS
		LE	CL	LA	TU	PR	SE	
1.	Command Interpreters			20				3
2.	Foreign Language 7		16					2
3.	Mathematical Logic	20	10					5
4.	Numerical Methods	20	20					5
5.	Fundamentals of Optimization	20	10					5
6.	Fundamentals of Signal Transmission	20						3
7.	Introduction to Networking	1						0
8.	Differential Equations and Integral Transformations – classes	20	20					5
9.	Industrial Safety Training	4						0
<b>Total amount of hours:</b>		<b>105</b>	<b>76</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>

LE – lectures, CL – classes, LA – laboratories, TU – tutoring, PR – project, SE – seminar

COMPUTER SCIENCE, SECOND CYCLE, PART-TIME, I YEAR, II SEMESTER

No.	Name of Subjects	Contact hours						ECTS
		LE	CL	LA	TU	PR	SE	
1.	Sound and Image in ICT Services	20		20				5
2.	Data Warehouses			24				3
3.	Formal Languages	16						3
4.	Foreign Language 8		16					2
5.	Discrete Optimization	16		14				3
6.	Stochastic Processes	16						3
7.	Parallel and Distributed Programming	20		16				4
8.	Web Programming 1	8		16				3
9.	Logic Programming	10		14				4
10.	Design of Network Protocols			20				3
11.	Design of Fuzzy and Neutral Systems	16						2
12.	Neutral Networks and Fuzzy Sets	16		8				3
13.	Geographic Information Systems	6		14				2
14.	ICT Services and Standards	16						2
<b>Total amount of hours:</b>		<b>160</b>	<b>16</b>	<b>146</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>

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COMPUTER SCIENCE, SECOND CYCLE, PART-TIME, II YEAR, III SEMESTER

No.	Name of Subjects	Contact hours						ECTS
		LE	CL	LA	TU	PR	SE	
1.	Computer System Architecture	28		8				4
2.	Computer Network Security			24				3
3.	Digital Audio Technology	24		12				5
4.	Data Mining	20		24				5
5.	Metaheuristics	18		12		12		5
6.	Web Programming 2	8		16				3
7.	Team Programming (CASE)	6		16				3
8.	Major Seminar 2 <sup>nd</sup>						4	1
9.	Broadband Networks and Systems	20						3
10.	Real-time Computer Systems	20		20				4
11.	Multi-agent Systems	16		16				4
12.	Multi-criteria Decision Making	16		16				5
13.	Knowledge Extraction	20		12				4
14.	Text-oriented Information Retrieval	16		8				2
<b>Total amount of hours:</b>		<b>212</b>	<b>0</b>	<b>184</b>	<b>0</b>	<b>12</b>	<b>4</b>	<b>51</b>

LE – lectures, CL – classes, LA – laboratories, TU – tutoring, PR – project, SE – seminar

COMPUTER SCIENCE, SECOND CYCLE, PART-TIME, II YEAR, IV SEMESTER

No.	Name of Subjects	Contact hours						ECTS
		LE	CL	LA	TU	PR	SE	
1.	Game Programming Tools			24				3
2.	Reliability of Computer Systems	16		8				3
3.	Dissertation 2 <sup>nd</sup>					300		20
4.	Programmable Signal Processing Circuits	16		8				2
5.	Dissertation Seminar 2 <sup>nd</sup>						12	2
6.	Expert Systems	16		16				2
7.	Text-oriented Information Retrieval Systems			12				2
8.	Quality Management of ICT Services	16						2
<b>Total amount of hours:</b>		<b>64</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>300</b>	<b>12</b>	<b>36</b>

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