

FACULTY OF INFORMATICS (SECOND YEAR)

Fourth semester		
	Title of the subject	Credits ECTS
1	Data base	7
2	Computer networks	6
3	Practical classes	2
Elective courses (2 of 3):		
	Visual programming	5
	Formal languages	5
	Probability and statistics	5
<i>Elective subject from the offered electives from a university list of electives</i>		
		5
	Total	30

Literature	
Subject	Literature
Data base	<i>Database System Concepts</i> , Silberschatz A., Korth H, Sundershan S., McGraw-Hill, 1996
Computer networks	<i>Computer Networks</i> , Andrew S. Tanenbaum, Pearson, 2011 <i>Computer Networks and Internet</i> , Douglas Comer, Pearson, 2015
Visual programming	<i>Microsoft Visual C# Step by Step</i> , John Sharp, Microsoft Press, 2018 <i>Visual C# - how to program</i> , H. Deitel, Pearson, 2012
Formal languages	<i>Introduction to Automata Theory, Languages, and Computation, 3rd Edition</i> , John E. Hopcroft, Rajeev Motwani, Jeffrey D. Ullman, Pearson, 2007.
Probability and statistics	<i>Probability & Statistics for Engineers & cientists, MyLab Statistics Update, 9th Edition</i> , R. E. Walpole, R. H. Myers, S. L. Myers, K. Ye, Pearson, 2017 <i>Introduction to probability, D. P. Bercecas, J. N. Tsitsikis, Ars Lamina, 2012</i> <i>Mathematical Statistics and Data Analysis, J. A. Rice, Ars Lamina, 2014</i>