

FACULTY OF INFORMATICS (FIRST YEAR)

First semester		
	Title of the subject	Credits ECTS
1	Introduction to programming	7
2	Calculus 1	6
3	Mathematical logic and algebra	7
4	Internet technologies	5
5	Sport and Recreation	0
	Elective subject (1 of 2):	
	Professional skills	5
	English Language 1	5
	Total	30

Literature	
Subject	Literature
Introduction to programming	<i>Structured programming</i> , Z. Gatovsky, EURM, 2007 <i>The C Programming Language</i> , Kernighan, Dennis Ritchie, Prentice Hall PTR, 1988 <i>C Programming Absolute Beginner's Guide</i> , Greg Perry, Que publishing, 2014
Calculus 1	<i>Calculus & Its Applications, 14th Edition</i> , L. J. Goldstein, D. C. Lay, D. I. Schneider, N. H. Asmar, Pearson, 2018 <i>Математика на модерен инженеринг</i> , Г. Џејмс, Арс Ламина, 2009 <i>Matematicka analiza – Teorija, primeri, zadaci za studente računarstva</i> , M. Merkle, Računarski fakultet, Beograd, 2006
Mathematical logic and algebra	<i>Discrete Mathematics and its Applications, 7th Edition</i> , K. H. Rosen, The McGraw-Hill Companies, 2012 <i>Concrete Mathematics-Fundamentals of Informatics</i> , R. L. Graham, D. E. Knut, O. Patashnik, Ars Lamina, 2014 <i>Abstract Algebra Theory and Applications</i> , T. W.

	Judson, Free Software Foundation, 2012
Internet technologies	<i>Computer Networks and Internets, 6th Edition,</i> Douglas E. Comer, Purdue University, Pearson, 2015
Professional skills	<i>College Writing Skills with Readings, 7th ed.,</i> John Langan, McGraw-Hill Higher Education, 2008
English Language 1	<i>Pro File 2,</i> Naunton J., Oxford University Press, 2005