

Study programme: Bachelor studies - Mathematics			
Course name: Statistical software 2			
Lecturers: Lenka Glavaš, Bojana Milošević			
Status: Compulsory			
ECTS: 3			
Attendance prerequisites: Introduction to probability, Introduction to statistics			
Course aims: Acquiring general and specific knowledge in modeling random events and random variables.			
Course outcome: Upon completing the course a student has basic knowledge about the Monte Carlo method and its application in modeling of random events and random variables.			
Course content: Monte Carlo method. Modeling of random events. Modeling of random variables. Modeling of random processes.			
Literature: 1. Peter Dalggaard, <i>Introductory Statistics with R</i> , Springer - Verlag, New York, 2002. 2. John M.Chambers, <i>Software for Data Analysis: Programming with R</i> , Springer - Verlag, New York, 2008. 3. И. М. Соболев: <i>Численные методы Монте-Карло</i> , Наука, Москва 1973. 4. Д Ђорић, В. Јевремовић, Е.Николић-Ђорић, Ј. Малишић.: <i>Атлас расподела</i> , Грађевински факултет, Београд 2007.			
Number of hours: 3		Lectures: 0	
Tutorials: 3			
Teaching and learning methods: Tutorials / Lectures / Exercises			
Assessment (maximal 100 points)			
Course assignments	Points	Final exam	Points
Lectures		Written exam	
Exercises / Tutorials	20	Oral exam	30
Colloquia		Written-oral exam	
Essay / Project	50		