

Study programmes: Bachelor studies - Mathematics			
Course name: Statistical software 1			
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 program language R and applications to statistical data.			
Course outcome: Upon completing the course a student has basic and specific knowledge in program language R and is capable to use it in statistical data analysis.			
Course content: Basic properties of R(S-plus). Data management. Data visualization. Methods of graphical estimation. Random number generators.			
Literature: 1. W. N. Venables, D. M. Smith: <i>An Introduction to R</i> 2. A Krause, M. Olson: <i>The basics of S-PLUS</i> , Springer, New York, 2005. 3. Peter Dalgaard, <i>Introductory Statistics with R</i> , Springer - Verlag, New York, 2002. 4. John M. Chambers, <i>Software for Data Analysis: Programming with R</i> , Springer - Verlag, New York, 2008.			
Number of hours: 3		Lectures: 0	
Tutorials: 3			
Teaching and leaning 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		