

Study programmes: BACHELOR STUDIES - Informatics			
Course name: CODE M111 – Analysis 1			
Lecturers: Z. Kadelburg, M. Arsenović, D. Milinković, D. Kečkić, J.Katić, N.Lažetić, D. Jocić			
Status: Compulsory			
ECTS: 7			
Attendance prerequisites: No prerequisites.			
Course aims: Acquiring basic knowledge from the Mathematical Analysis, necessary for further study of close subjects.			
Course outcome: At the end of the course students will be expected to have - learned basic notions of mathematical analysis (limit, continuity and derivative) - acquired the ability to apply basic notions of mathematical analysis			
Course content: The field of real numbers. Coordinate systems and equations in them. Sequences of real numbers. Real functions of real variable. Continuity. Differential calculus.			
Literature: 1. F. Tomas, R. L. Fini: Tomasova matematička biblija, Građevinska knjiga, 2007. 2. D. Adnađević, Z. Kadelburg: Matematička analiza 1, Matematički fakultet, Beograd 2008. 3. D. Milinković: Skripta iz Matematičke analize 1.			
Number of hours: 6	Lectures: 3	Tutorials: 3	Laboratory: - Research: -
Teaching and learning methods: Frontal, tutorial and practical			
Assessment (maximal 100 points)			
Course assignments	points	Final exam	points
Lectures	-	Written exam	-
Exercises / Tutorials	10	Oral exam	-
Colloquia	30	Written-oral exam	60
Essay / Project	-		