Study programmes: BACHELOR STUDIES – Mathematics				
Course name: Functional analysis				
Lecturers: Danko Jocić, Miloš Arsenović, Đorđe Krtinić				
Status: Compulsory				
ECTS: 5				
Attendance prerequisites: Analysis 1				
Course aims: Expanding and integrating previous knowledge of mathematical analysis mathematical analysis in order to understand the fundamental principles of functional analysis.				
Course outcome: The student needs to learn the basic notions and theorems of functional analysis.				
Course content: Basic notions of functional analysis. Banach and Hilbert spaces. Linear operators on Banach and Hilbert spaces and their properties.				
Literature: 1. M. Arsenović, M. Dostanić, D. Jocić: Teorija mere, Funkcionalna analiza, teorija operatora, Beograd 2012.				
Number of hours: 4	**Lectures**: 2	**Tutorials**: 2	**Laboratory**: -	**Research**: -
Teaching and learning methods: Frontal / Tutorial				

Assessment (maximal 100 points)			
Course assignments	**points**	**Final exam**	**points**
Lectures	-	Written exam	35
Exercises / Tutorials	-	Oral exam	35
Colloquia	30	Written-oral exam	-
Essay / Project	-		