

Study programmes: MASTER STUDIES - Mathematics				
Course name: Selected Topics of Functional Analysis				
Lecturers: Danko Jocić, Miloš Arsenović, Nebojša Lažetić				
Status: Optional				
ECTS: 8				
Attendance prerequisites: Analysis 2				
Course aims: Expanding and upgrading previous knowledge from Functional Analysis.				
Course outcome: The student needs to master some special knowledge of Functional Analysis.				
Course content: Selected chapters from some of the following areas: Spectral theory, Theory of differential operators, Theory of compact operators, Interpolation of linear operators, Matrix analysis.				
Literature: M. Arsenović, M. Dostanić, D. Jocić: Teorija mere, Funkcionalna analiza, Teorija operatora, Beograd 1999.				
Number of hours: 7	Lectures: 3	Tutorials: 2	Laboratory: -	Research: 2
Teaching and learning methods: Frontal / Tutorial				
Assessment (maximal 100 points)				
Course assignments	points	Final exam	points	
Lectures	-	Written exam	20	
Exercises / Tutorials	10	Oral exam	20	
Colloquia	30	Written-oral exam	-	
Essay / Project	20			