Study programmes: MASTER STUDIES - Mathematics	
Course name: Selected Topics of Real Analysis	
Lecturers: Danko Jocić, Miloš Arsenović, Nebojša Lažetić	
Status: Optional	
ECTS: 8	
Attendance prerequisites: Analysis 2	
Course aims: Expanding and upgrading previous knowledge from Measure Theory and Functional Analysis.	
Course outcome: The student needs to master some special knowledge of Real Analysis.	
Course content: Supplementary chapters from some of the following areas: Measure theory, Harmonic analysis, Spectral theory, Theory of differential operators.	

Literature:
   1. W. Rudin, Real and Complex Analysis
   2. A. Zygmund: Theory of the Trigonometrical Series
   3. M.A.Najmark: Differential Operators	

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		