Study programmes: MASTER STUDIES - Mathematics				
Course name: Harmonic analysis 1				
Lecturers: Miodrag Mateljević, Vladimir Božin, Miljan Knežević				
Status: Optional				
ECTS: 8				
Attendance prerequisites: Complex analysis A, Complex analysis B, Geometric function theory				
Course aims: Acquisition of general and special knowledge about harmonic functions				
Course outcome: The student should understand well and be able to use the concepts and techniques of harmonic analysis.				
Course content: Harmonic function in the plane. Poisson formula for the unit disk and the upper half plane. Rado-Kneser-Choquet theorem. Univalent harmonic mappings. Generalized harmonic mappings.				
Literature: 1. P. Duren: Harmonic mappings in the plane, Cambridge.				
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	30	Written exam	40
Exercises / Tutorials	-	Oral exam	30
Colloquia	-	Written-oral exam	-
Essay / Project	-		