

Study programmes: MASTER STUDIES - Mathematics			
Course name: Teaching Methodology in Mathematical Analysis with School Practice			
Lecturers: Dragoljub Kečkić, Darko Milinković, Miloš Arsenović			
Status: Optional			
ECTS: 8			
Attendance prerequisites: Analysis 2			
Course aims: Acquisition of special knowledge and skills necessary for teaching of mathematical analysis in high school.			
Course outcome: The student should fully master the knowledge and skills necessary for quality teaching in the school in connection with or related to topics in the field of mathematical analysis.			
Course content: Conceptualization of a limit in several different ways. Continuity, derivative and integral – conceptualization and using in high school. Applications (inequalities, extrema, measuring, applications in probability).			
Literature:			
1. В. А. Илин, В. А. Садовничии, Б. Х. Сендов: Математический анализ, Наука, Москва 1979.			
2. Textbook and workbook in mathematics for high schools.			
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	30
Exercises / Tutorials	30	Oral exam	30
Colloquia	10	Written-oral exam	-
Essay / Project	-		