

Study programmes: Master studies – Mathematics				
Course name: Teaching Methodology in Algebra and Mathematical Logic with School Practice				
Lecturers: Nebojša Ikodinović				
Status: Optional				
ECTS: 8				
Attendance prerequisites: Linear algebra, Algebra 1, Algebra 2				
Course aims: Enables the students to be independent in preparation and realization of lessons in teaching topics of algebra and mathematical logic.				
Course outcome: Upon completion of this course, the students will acquire advanced knowledge of teaching methodology of algebra and mathematical logic.				
Course content: Various methodological approaches to teaching topics in algebra and mathematical logic. In the practical part of the course, the students give lectures on some themes from the curriculum of primary and high schools.				
Literature: H. Freudenthal, <i>Mathematics as an Educational Task</i> , Kluwer Academic Publishers, Dordrecht, 1973; M. and S. Prešić, <i>Uvod u matematičku logiku</i> , Matematički institut, Beograd, 1984; G. Kalajdžić, <i>Linearna algebra</i> , 5th edition, Matematički fakultet, Beograd 2007; A. Lipkovski, <i>Linearna algebra i analitička geometrija</i> , 2 nd edition, Zavod za udžbenike i nastavna sredstva, Beograd 2007; G. Kalajdžić, <i>Algebra</i> , Matematički fakultet, Beograd 1998; Ž. Mijajlović, <i>Algebra</i> , Milgor, Beograd, 1998; textbooks for primary and high school				
Number of hours: 5	Lecures: 3	Tutorials: 2	Laboratory: -	Research: -
Teaching and learning methods: Lectures / Tutorials				
Assessment (maximal 100 points)				
Course assignments	points	Final exam	points	
Lectures	20	Written exam	-	
Exercises / Tutorials	-	Oral exam	40	
Colloquia	-	Written-oral exam	-	
Seminar	40			