

Study programmes: Bachelor – Mathematics				
Course name: Methodology of Geometry Teaching				
Lecturers: Vladica. S. Andrejić, Miroslava Ž. Antić, Srđan N. Vukmirović, Mirjana Đ. Đorić, Zoran P. Rakić, Ivan Dimitrijević, Tijana Šukilović				
Status: Compulsory				
ECTS: 5				
Attendance prerequisites: none				
Course aims: Obtaining general and specific knowledge in methodology of geometry teaching				
Course outcome: After finishing the course student acquires basic knowledge in methodology of geometry teaching. Student is capable of understanding basic geometric concepts and applying geometry in other areas, as well as transferring his knowledge to audience.				
Course content: History of geometry. Numbers in geometry. Constructions in geometry. Groups in geometry. Mathematics and nature.				
Literature: Z. Луиџ, <i>Ogledi iz istorije antiuke geometrije</i> , Beograd 2008. B.L. Van der Waerden, <i>Science Awakening</i> , P. Noordorf ltd, Groningen, Holand, 1954. T.L. Heath, <i>A History of Greek Mathematics</i> , vol. I--II, Dover, New York, 1981. D.W. Henderson, <i>Experiencing Geometry on Plane and Sphere</i> , Prentice Hall, Upper Saddle River, 1996. W.R. Кнорр, <i>The Ancient Tradition of Geometric Problems</i> , Birkhauser, Boston, Basel, Stuttgart, 1986. Z. Lučić, <i>Euklidska i hiperbolička geometrija</i> , Total Design, Beograd, 1997. D. Lopandiџ, <i>Geometrija</i> , Научна Књига, Beograd 1979.				
Number of hours: 4	Lecures: 2	Tutorials: 2	Laboratory: -	Research: -
Teaching and learning methods: Frontal				
Assessment (maximal 100 points)				
Course assignments	points	Final exam	points	
Lectures	20	Written exam	-	
Exercises / Tutorials	20	Oral exam	-	
Colloquia	-	Written-oral exam	60	
Essay / Project	-			