

<b>Study programmes:</b> Bachelor studies – Mathematics				
<b>Course name:</b> Geometry 4				
<b>Lecturers:</b> Vladica. S. Andrejić, Miroslava Ž. Antić, Srđan N. Vukmirović, Mirjana Đ. Đorić, Zoran P. Rakić, Ivan Dimitrijević, Tijana Šukilović				
<b>Status:</b> Compulsory (modul L), optional (modul R, S, PM)				
<b>ECTS:</b> 5				
<b>Attendance prerequisites:</b> none				
<b>Course aims:</b> Obtaining general and specific knowledge in projective and descriptive geometry and use of related software packages				
<b>Course outcome:</b> After finishing the course student has understood basic notions of projective and descriptive geometry as well as use of software packages related to these geometries. Student is ready to apply the acquired knowledge.				
<b>Course content:</b> Axioms of incidence of projective plane. Perspective and projective mappings of projective plane. Harmonic conjugate points. Conics in projective plane. Pascal's and Brianchon's theorem. Collineations and correlations. Real projective plane. Method of orthographic projection. Central projection.				
<b>Literature: Литература:</b> N. Bokan, S. Vukmirović, <i>Projektivna geometrija</i> , Matematički fakultet, Beograd, 2004. Z. Stanić, S. Vukmirović, <i>Zbirka zadataka iz projektivne geometrije</i> , Matematički fakultet, Beograd, 2003. Z. Šnajder, <i>Nacrtna geometrija</i> , Naučna knjiga, Beograd, 1991. M. Radojnik, <i>Nacrtna geometrija</i> , Građevinska knjiga, Beograd 1960. V. Andrejić, <i>Projektivna geometrija ravni</i> , Matematički fakultet, Beograd, 2016. R. Hartshorne, <i>Foundations of Projective Geometry</i> , 1967. D. Palman, <i>Projektivna geometrija</i> , Školska knjiga, Zagreb, 1984.				
<b>Number of hours:</b> 5	<b>Lectures:</b> 2	<b>Tutorials:</b> 2+1	<b>Laboratory:</b> -	<b>Research:</b> -
<b>Teaching and learning methods:</b> Frontal / Inter				
<b>Assessment (maximal 100 points)</b>				
<b>Course assignments</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>	
Lectures	-	Written exam	40	
Exercises / Tutorials	-	Oral exam	30	
Colloquia	30	Written-oral exam	-	
Essay / Project	-			