

<b>Study program:</b> Bachelor studies – Mathematics				
<b>Course name:</b> Apparent topology				
<b>Lecturers:</b> Siniša Vrećica, Aleksandar Vučić, Vladimir Grujić, Branislav Prvulović				
<b>Status:</b> Compulsory				
<b>ECTS:</b> 5				
<b>Attendance prerequisites:</b> Analysis 2B				
<b>Course aims:</b> Introducing the students to the basic notions and constructions of Topology and their properties.				
<b>Course outcome:</b> Students understand the basic notions and concepts of topology such as homeomorphism, topological invariants, graphs, topological surfaces, knots, fundamental group. They are familiar with a large number of examples of topological spaces. Using this knowledge, students could solve simple topological exercises and apply topological methods in some geometric problems.				
<b>Course content:</b> Topology of line and plane; Euler characteristic of graphs and surfaces; vector fields on surfaces; the notion of homotopy and homology; fundamental group; the basic notion in knot theory				
<b>Literature:</b> 1. V.G.Boltjanskij, V.A.Jefremovič, Očigledna topologija, Zavod za udžbenike i nastavna sredstva, Beograd, 1984.				
<b>Number of hours:</b> 4	<b>Lectures:</b> 2	<b>Tutorials:</b> 2	<b>Laboratory:</b> -	<b>Research:</b> -
<b>Teaching and learning methods:</b> Lectures / Exercises				
<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		-	
Essay / Project	-			