

<b>Study programmes:</b> MASTER STUDIES - Mathematics			
<b>Course name:</b> Selected topics of general topology			
<b>Lecturers:</b> Siniša Vrećica, Vladimir Grujić			
<b>Status:</b> Optional			
<b>ECTS:</b> 8			
<b>Attendance prerequisites:</b> Topology A			
<b>Course aims:</b> Acquisition of additional knowledge in some areas of general topology.			
<b>Course outcome:</b> Upon completion of the course, the student mastered: theory of functional spaces, ordered set of all compactifications of given space and Čech-Stone compactification as maximal element of that set, as well as some metrization theorems.			
<b>Course content:</b> The space $2^M$ . Baire space $N^N$ . Čech-Stone compactification. Paracompactness and metrization theorems. Function spaces.			
<b>Literature:</b>			
1. R. Engelking, General Topology, PWN, Warszawa, 1977.			
2. S. Willard, General Topology, Addison Wesley, Reading, Mass., 1970.			
3. J. R. Munkres, Topology, A First Course, Prentice-Hall, Englewood Cliffs, NJ, 1975.			
<b>Number of hours:</b> 7	<b>Lectures:</b> 3	<b>Tutorials:</b> 2	<b>Laboratory:</b> - <b>Research:</b> 2
<b>Teaching and learning methods:</b> Frontal, tutorial and practical			
<b>Assessment (maximal 100 points)</b>			
<b>Course assignments</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	-	Written exam	20
Exercises / Tutorials	-	Oral exam	20
Colloquia	30	Written-oral exam	-
Essay / Project	30		