Title of the course: Set-theoretic topology	
Course instructor: Miloš Kurilić, Boriša Kuzeljević	
Status of the course: non-obligatory	
Number of ESPB points:	
Prerequisites: none.	
Aim of the course: Students should get familiar with basic notions of set-theoretic topology, product topology, various kinds of compactness and connectivity, as was as with the applications of these notions to concrete spaces.	
Expected results of the course: At the end of the course a student is expected to show understanding of covered material through presenting proofs of theorems, topological analysis of a given space, and familiarity with basic examples in this area.	
Syllabus: *Lectures:* Topological spaces. Countability axioms. Basic operators. Separability. Continuity. Axioms of separation. Convergence of nets and filters. Subspace, sum, product, and quotient. Compactness and local compactness. Compactifications. Lindolef spaces. Cech-complete spaces. Baire theorem. Countably compact, pseudocompact, and sequentially compact spaces. Connectivity. Metric spaces. Completeness. Total boundedness. Metrizability.	
Recommended literature: 1. R. Engelking, General Topology, Heldermann Verlag, Berlin, 1989. 2. Kelley J.L., General Topology, D. Van Nostrand Comp. Inc., Princeton, New Jersey, 1957. 3. Kuratowski K., Topology I-II, Academic Press, New York; PWN, Warszawa, 1966.	

Number of teaching hours:	Lectures:	Tutorial: --
Methods of teaching: Lectures, problem-solving, and student presentations.		
Grade (maximum number of points 100) Seminar or homework: 50 points. Oral exam: 50 points.		