

Approximate Schedule of Topics

Day	Date	Sections	Topics
1	Feb 05	1,2	logic, sets, functions
2	Feb 07	3,5	relations, cartesian products
3	Feb 12	7,9,10	countability, choice, and well-orderings
4	Feb 14	12,13	topologies, bases
5	Feb 19	14,15,16	order, product, and subspace topologies
6	Feb 21	17	closed sets, limit points
7	Feb 26	18	continuous functions
8	Feb 28	18,19	homeomorphisms; infinite products
9	Mar 05	20,21	metric topology
10	Mar 07	21,22	metrizable, quotient maps
11	Mar 19	22,23,24	quotient topology; connectedness
12	Mar 21	23,24	connectedness; compactness introduction
13	Mar 26	26,27	compactness
14	Mar 28	26,27	compactness
15	Apr 02	27-29	compactness
16	Apr 04	30	countability axioms
17	Apr 09	31,32	separation axioms
18	Apr 11	31,32	separation axioms
19	Apr 16	33	Urysohn's lemma
20	Apr 18	34,38	Urysohn's metrization theorem; Stone-Cech compactification
21	Apr 23	11,37	complete metric spaces; a space-filling curve
22	Apr 25	43,44	complete metric spaces; a space-filling curve
23	Apr 30		Q&A
24	May 02		Q&A
	TBA		comprehensive final exam