

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	19	more product topologies
9	Mar 05	20,21	metric topology
10	Mar 07	22	quotient topology
11	Mar 19	23,24	connected spaces
12	Mar 21	26,27	compact spaces
13	Mar 26	28,29	sequential, local compactness
14	Apr 04	30	countability axioms
15	Apr 09	31	separation axioms
16	Apr 11	32	normal spaces
17	Apr 16	33, 34	Urysohn's lemma and metrization theorem
18	Apr 18	37, 38	Tychonoff Theorem, Stone-Cech compactification
19	Apr 23	43	Complete metric spaces
20	Apr 25	44	space-filling curve
21	Apr 30	45	compact metric spaces
22	May 02	46	pointwise, compact, and uniform convergence
	TBA		comprehensive final exam