

Below is a tentative lecture plan, which is still subject to change.

	Date	Subject	Assignment due
M	February 6	Introduction + Topological Spaces	
W	February 8	Continuous Functions	
F	February 10	Metric spaces	
M	February 13	<i>Active learning 1:</i> Comparison of topologies, Interior and Closure	P-set 1
W	February 15	Bases and Subbases + The Product Topology	
F	February 17	The Product Topology + The Quotient Topology	
T	February 21	The Quotient Topology	P-set 2
W	February 22	<i>Active learning 2:</i> Examples of Quotient spaces	
F	February 24	Sequences, Convergence and Hausdorff spaces	
M	February 27	<i>Active learning 3:</i> Sequentially Closed Subsets and Sequential Continuity	P-set 3
W	March 1	Connectedness I: Definitions and Properties	
F	March 3	Connectedness II: Connectedness in \mathbb{R} and Path Connectedness	
M	March 6	<i>Active learning 4:</i> Path Connectedness	P-set 4
W	March 8	Compactness I: Definitions + Properties	
F	March 10	Midterm 1	
M	March 13	Compactness II: Further properties + Compactness in \mathbb{R}	P-set 5
W	March 15	Compactness III: Compactness in \mathbb{R}	
F	March 17	<i>Active learning 5:</i> Compactness and Sequential Compactness	
M	March 20	The Fundamental Group: the definition	P-set 6
W	March 22	The Fundamental Group of spheres	
F	March 24	The Fundamental Group: homeomorphism invariance	
M	March 27	Spring Break	
W	March 29	Spring Break	
F	March 31	Spring Break	
M	April 3	<i>Active learning 6:</i> Retractions and deformation retractions	P-set 7
W	April 5	Free groups	
F	April 7	Free products and Group presentations Van Kampen's Theorem	
M	April 10	More examples of van Kampen's theorem and cell attachments	P-set 8
W	April 12	<i>Active learning 7:</i> More about van Kampen's theorem	
F	April 14	The proof of van Kampen's theorem	P-set 9
M	April 17	Patriots' Day	
W	April 19	Covering spaces: Definition and Examples	
F	April 21	Midterm 2	
M	April 24	Path lifting and the Homotopy Lifting Property	P-set 10
W	April 26	The Group of a Covering Space	
F	April 28	The Classification Theorem: Statement and Examples	
M	May 1	<i>Active learning 8:</i> More examples of covering spaces	P-set 11
W	May 3	<i>Active learning 9:</i> Cell structures and covering spaces	
F	May 5	Proof of the Classification Theorem, part 1	
M	May 8	Proof of the Classification Theorem, part 2	P-set 12
W	May 10	<i>Active learning 10:</i> Wrapping up loose ends	
F	May 12	Bonus material: where to from here?	
M	May 15	Review	