

Course Guide Math 408ST: Topology: Fall 2022:

	Topic	Reading	Homework
M: 8-15	Intuitive Continuity and Homeomorphisms, Sets	Manetti Chapter 1, 2.1	Mission 1
M: 8-22	Maps, Axiom of Choice, Build your own Bijection , Definition of Topology	Manetti Chapter 2.2-2.6 & 3.1	Mission 2
M: 8-29	Interior, Boundary, Nbhds, Continuous Maps,	Manetti 3.2 & 3.3	Mission 3
M: 9-5	LABOR DAY		
M: 9-12	Metric Spaces, Subspaces and Immersions,	Manetti 3.4 & 3.5	Mission 4
M: 9-19	Topological Products, Hausdorff Spaces	Manetti 3.6 & 3.7	Mission 5
M: 9-26	Test 1 // Connectedness, Connected Components	Manetti 4.1 & 4.2	Mission 6
M: 10-3	Covers, Compact Spaces, Wallace's Theorem	Manetti 4.3 & 4.4 & 4.5	Mission 7
M: 10-10	Topological Groups, Exhaustion by Compact Sets	Manetti 4.6 & 4.7	Mission 8
M: 10-17	Identifications, Quotient Topology	Manetti 5.1 & 5.2	Mission 9
M: 10-24	Quotients by Groups of Homeomorphisms, Projective Space	Manetti 5.3 & 5.4	Mission 10
M: 10-31	Sequences and Nets, Convergence in Topological Spaces	Manetti Chapter 6	Mission 11
M: 11-7	Topological Manifolds, Normal Spaces, Separation Axioms	Manetti Chapter 7	Mission 12
M: 11-14	Test 2 // Homotopy, Category Theory	Manetti Chapter 10	Mission 13
	Thanksgiving 11-21 to 11-25		
M: 11-28	Fundamental Group & On the interplay between Topology and Geometry	Manetti Chapter 11	Mission 14
R: 12-1	Last Day of Classes		
F: 5-6	Final Exams (12-2 through 12-8)		

❖ **Grades:** Midterms (2) = 300pts (proctored via Zoom on Monday evening at time TBA), Homework = 400pts, Final Exam = 300pts.