MAT 451: Topology

Fundamentals of set theory, definition of topological spaces, product and subspace topology, quotient topology, connectedness, and compactness, countability and separation axiom, Urysohn lemma, Tychonoff's theorem, complete metric spaces, space-filling curves, compactness in metric spaces, and modes of convergence.

Credits: Credits 3 Prerequisites: Prerequisite Courses MAT 443 Semester Offered: Semester Offered Offered at departmental discretion.