Algebraic Topology II

Department: MATH
Course Number: 6442
Hours - Lecture: 3
Hours - Lab: 0
Hours - Recitation: 0
Hours - Total Credit: 3
Typical Scheduling: No regular schedule
Description:
Advanced topics from algebraic topology
Prerequisites:

Math 6441 or equivalent or consent of instructor

Course Text:

No text

Topic Outline:

Selection of advanced topics from:

1. Classification of vector bundles, K-theory

2. Cobordism theory and the h-cobordism theorem

3. Spectral sequences

4. Cohomology operations

5. Homotopy groups of spheres