

MATH 960

Selman Akbulut

akbulut@math.msu.edu

<http://www.math.msu.edu/~akbulut/>

Course meets: 12:40 PM-1:30 PM

Office Hours: MWF 2:00 PM - 3:00 PM

A-335 Wells Hall (353-7997)

We will cover standard topics from algebraic topology: Cohomology, products, duality, basic homotopy theory, bundles, obstruction theory, spectral sequences, characteristic classes. As term permits we will go on discussing K-theory, Atiyah-Singer Index theorem, and Morse theory and Floer homology. A good source for course related materials can be downloaded from:

<http://www.math.cornell.edu/hatcher/>

Grading: There will be assigned problems, and also I will ask from each student to write a clear understandable paper on a topic of his/her choice, and Latex it and turn it as a course project. Final Exam is Friday December 12 12:45-2:45 p.m.