Syllabus for Math 221B:
Homotopy Theory

Winter 2003

Instructor: Jon McCammond
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Course description: (4 units) We will cover all of chapters 0 and 1 in Hatcher, plus a few additional topics. Homotopy groups, exact sequences, fiber spaces, covering spaces and van Kampen Theorem will be the main focus of the course.

Prerequisite: General Topology (Math 221A).

Textbook(s): *Algebraic Topology*, by A. Hatcher, Cambridge University Press
Available online at http://www.math.cornell.edu/~hatcher/

Grading: Your grade will be determined by homework scores, one midterm, a comprehensive take-home final exam and your participation in the class. The weights of each of these are as follows.

Homework	Midterm	Final	Participation
30%	30%	30%	10%

Make-ups: Make-ups for exams and quizzes will only be given with documented University-approved excuses (see University Regulations).

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