

Syllabus for Math 637

Topology II

Spring 2007

Section 600

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MATH 637 web page: The web page of the course is

<http://www.math.tamu.edu/~nekrash/teaching/07S/MATH637.html>

It will contain lecture handouts and homework assignments.

Course Description. Credit 3. This course is an introduction to Topology and is a continuation of MATH636. We will study Differential and Algebraic Topology. The topics include: manifolds; vector fields and tangent bundles; Sard's theorem; immersions and submersions; embedding theorems; the fundamental group and classification of covering spaces; Seifert-Van Kampen theorem; homology and cohomology theories and their axioms; CW-complexes and cellular homology; applications.

Recommended texts.

Topology and Geometry, by Glen E. Bredon, Graduate Texts in Mathematics 139, Springer-Verlag;

Grading. Your grade will be determined by two exams, a *cumulative* final exam, and homeworks. The weights of each of these are as follows.

Exam I	Exam II	Final Exam	Homeworks	Total
250 pt	250 pt	300 pt	200 pt	1000 pt
≈	≈	May 8	weekly	

I may curve any grade and will then compute the course grade by the following rule: *A* for at least 900 points, *B* for at least 800 points, *C* for at least 700 points, *D* for at least 600 points and *F* for less than 600 points.

Make-up policy: Make-ups for missed exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the instructor before an exam is missed. Consistent with University

Student Rules , students are required to notify an instructor by the end of the next working day after missing an exam. Otherwise, they forfeit their rights to a make-up.

Late Homeworks will not be accepted.

Scholastic dishonesty: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see University Student Rules.

Remember the Aggie Code of Honor: *“An Aggie does not lie, cheat, or steal or tolerate those who do.”*

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The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B116 of Cain Hall or call 862-4570.