**Math 572 Spring 2008**
**Introduction in Algebraic Topology**
**Syllabus**

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**Class times:** MWF 9:30 – 10:20 am in MATH 215

**Homepage for the course:** http://www.math.purdue.edu/~rkaufman/MA572s08/

**Office hours:** Monday and Wednesday 10:30 – 11:20 am.
If you have a conflict with these times, we can arrange for another time to meet.

**Textbook:** *Elements of Algebraic Topology* by James R. Munkres
Westview Press; New Ed edition (December 1, 1993)
ISBN-10: 0201627280, ISBN-13: 978-0201627282

**Course description:** The course is an introduction to algebraic topology. The focus will be on homology and cohomology theory. This subject is important to topology, but also to many other fields, such as differential, symplectic and algebraic geometry, number theory, mathematical physics, etc.
We will treat the classical simplicial and singular homology and cohomology, but we also plan to cover CW complexes and differential forms.

**Required Work:** Besides the expected participation in class there will be homework assignments and a take home final or written project at the end of the semester. The homework will be listed on the webpage.

**Academic Adjustments for Students with Disabilities:**
Students who have been certified by the Office of the Dean of Students – Adaptive Programs as eligible for academic adjustments should go to MATH 242 with a copy of their certification letter and request an *Information Sheet* for this semester that explains how to proceed this semester to get these adjustments made in Mathematics courses. It is not the same as last semester. **This should be done during the first week of classes**. Only students who have been certified by the ODOS-Adaptive Programs and who have requested ODOS to send their certification letter to their instructor are eligible for academic adjustments.
Students, who are currently undergoing an evaluation process to determine whether they are eligible for academic adjustments, are encouraged to find out **now** what procedures they will have to follow when they are certified, by requesting the above mentioned *Information Sheet* from MATH 242.