MATH 5703	**Topology I**	Fall 2014
Section: 001	MWF 10:45 – 11:35	Prof. Matthew Clay
	MAIN 322	

Office: SCEN 337 **Email**: mattclay@uark.edu **Phone**: 575–5195
Course Website: http://comp.uark.edu/~mattclay/Teaching

Office Hours: Monday: 9:30 – 10:30, Tuesday: 1:30 – 2:30 and Friday: 1:30 – 2:30
If you are unable to use any of the above times, please make an appointment to see me.

Texts: I will be drawing primarily from five sources (listed alphabetically):
- *Algebraic Topology* by Allen Hatcher
- *Notes on Introductory Point-Set Topology* by Allen Hatcher
- *Topology*, by John G. Hocking and Gail S. Young
- *Geometric Topology in Dimensions 2 and 3* by Edwin E. Moise
- *Topology: A First Course* by James R. Munkres, 2nd edition

Prerequisites: MATH 4513 and graduate standing in mathematics or statistics, or departmental consent.

Goals: This course is an introduction to topology. We will study the basic elements of point-set topology, separation properties and their applications, two dimensional manifolds and the fundamental group of topological spaces. This course, together with MATH 5713, will prepare the student to take the topology qualifying exam.

Academic Honesty Policy: As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail. Each University of Arkansas student is required to be familiar with and abide by the University's "Academic Integrity Policy" which may be found at http://honesty.uark.edu. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

Homework: Homework is assigned and collected weekly. Problems will be posted on the course webpage. Solutions are to be submitted using LaTeX.

Course Grade:
- Participation   - 20%
- Homework   - 50%
- Final Exam (Monday, December 15, 10:15 AM – 12:15 PM)   - 30%

Letter grades: $A : 100 - 90$; $B : 89 - 80$; $C : 79 - 70$; $D : 69 - 60$; $F : 59 - 0$

Important Dates

Monday, August 25	Classes Start
Monday, September 8	Last day to drop without W
Monday, October 20 – Tuesday, October 21	Fall Break
Friday, November 21	Last day to drop with W
Wednesday, November 26 – Friday, November 28	Thanksgiving Break
Thursday, December 11	Last day of classes
Monday, December 15	Final Exam (10:15 AM – 12:15 PM)

See `http://calendars.uark.edu` *for the complete academic calendar and final exam schedule.*

Special Accommodation: Students who are registered with the Center for Educational Access must notify the instructor in writing by the end of the first week of class, or within one week of registering with CEA.

Inclement Weather Policy: Class will be held if the University is officially open. Allowances will be made if you are unable to safely reach the campus, but, bravely, class will go on! Do not call the Math office for inclement weather information. Instead, you should call the following telephone number: 575-7000.

Disclaimer: Information on this syllabus is subject to change. Any change will be announced in lecture.