

Math 3113
Section: 001
KIMP 308

Introduction to Abstract Algebra I
MWF 9:40 – 10:30

Fall 2013
Prof. Matthew Clay

Office: SCEN 416 **Email:** mattclay@uark.edu **Phone:** 575-5195
Course Website: <http://comp.uark.edu/~mattclay/Teaching>

Office Hours: Monday: 11:00 – 12:00, Tuesday: 2:00 – 3:00 and Friday: 11:00 – 12:00
If you are unable to use any of the above times, please make an appointment to see me.

Text: *Contemporary Abstract Algebra*, 8th edition, by Joseph A. Gallian, Brooks/Cole Publishers.
We will cover most of Parts 1, 2 and selected chapters from Part 5

Prerequisites: Math 2803 with a grade of C or better; and Math 3083 or Math 3903 with a grade of C or better. Knowledge and comfort with the language of set theory and the ability to read and write mathematical proofs is required.

Goals: This course is an introduction to concepts of Modern Algebra, namely groups. You will learn about symmetry groups, general constructions using groups and the classification of certain classes of groups, e.g., cyclic and finite abelian.

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.

Class Conduct: Attendance (both physical and mental) in lectures and drill sections is *mandatory*. Using a mobile device or a laptop inappropriately counts as an absence and *you will be asked to leave the classroom*.

Exams: There will be three in class exams (Friday, September 20, Friday, October 18 and Friday, November 15) and a final exam on Wednesday, December 18 at 8:00 – 10:00 AM.

A make-up for an exam will not be given without a compelling reason and my *prior consent*. *You must inform me before the exam* if you are to miss it due to illness, University related activity or religious holiday. You must inform me either through a phone call or in person. *This is a very strict policy*.

Homework: Homework is assigned daily and will be collected weekly. It is expected that you have attempted each assigned problem. *Homework assignments are very important to the learning process. Math is not a spectator sport, the only way to get better is to practice.*

Calculators: Calculators are not permitted on any quiz or exam.

Course Grade:

- Homework (Weekly) - 15%
- Exam 1 (Friday, September 20) - 20%
- Exam 2 (Friday, October 18) - 20%
- Exam 3 (Friday, November 15) - 20%
- Final (Wednesday, December 18, 8:00 – 10:00 AM) - 25%

Letter grades will be assigned according to:

$A : 100 - 86; B : 85 - 71; C : 70 - 56; D : 55 - 41; F : 40 - 0$

Important Dates

Monday, August 26	Classes Start
Monday, September 9	Last day to drop without W
Friday, September 20	In class exam 1 (20% of grade)
Friday, October 18	In class exam 2 (20% of grade)
Monday, October 21 – Tuesday, October 22	Fall Break
Friday, November 15	In class exam 3 (20% of grade)
Friday, November 22	Last day to drop with W
Wednesday, November 27 – Friday, November 29	Thanksgiving Break
Thursday, December 12	Last day of classes
Wednesday, December 18	Final Exam (8:00 – 10:00 AM) (25% of grade)

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.