Math 6130: Modern Algebra 1, Fall 2008

Text: Abstract Algebra, 3rd ed., by Dummit & Foote

Section 2: MWF 1:00–1:50 ECCR 131

Professor: Keith A. Kearnes	**Email:** kearnes@euclid.colorado.edu
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Hours: MWF 10-11	**WWW:** http://spot.colorado.edu/~kearnes

Prerequisites: Math 3140 (Abstract Algebra 1).

Course Outline: Studies groups, rings, and ideals. (Chapters 1–9 of the text.)

Homework and Exams: During the semester there will be regularly assigned homework, two midterm tests and a final exam. Your course grade will be computed according to the following formula.

$$\mathbf{Grade} = \mathbf{HW}(40\%) + \mathbf{T1}(20\%) + \mathbf{T2}(20\%) + \mathbf{Final}(20\%).$$

Late homework will not be accepted. However, your two lowest homework grades will not be counted.

Scoring: Written work will be judged on the basis of completeness, legibility and correctness. Strings of formulas without explanation will not be accepted. Paragraph organization (where appropriate), complete sentences and correct punctuation are expected.

Dates:

Homework:	Usually due Wed	Fall Break:	Nov 24–28
Labor Day:	Sep 1	Last Day of Class:	Dec 12
Test 1:	Sep 26	Final Exam:	Dec 18(7:30am)
Test 2:	Oct 31		

Getting Help: Don't wait until it is too late if you need help. Ask questions! I am available during the office hours listed above and also at many other times. If you can't see me during office hours, then make an appointment with me to see me at a different time. I will also give short answers to questions sent by email.

WWW: Information concerning our class will be posted on my web page under **information for students**. Copies of documents I hand out in class will be accessible from this page.

Classroom Behavior: The CU classroom behavior policy can be found at
`http://www.colorado.edu/policies/classbehavior.html`

Students with Disabilities: Students with disabilities who qualify for academic accommodations must provide a letter from Disability Services (DS) and discuss specific needs with me, preferably during the first two weeks of class. DS determines accommodations based on documented disabilities (303-492-8671, Willard 322, `http://www.colorado.edu/disabilityservices`).

Observance of Religious Holidays: If, because of religious obligations, a student has a conflict with scheduled exams, assignments, or other required attendance, the student should notify me at least two weeks in advance of the conflict to request special accommodation. I will provide the opportunity for a makeup exam or an equivalent assignment, or arrange for an increased flexibility in assignment due date.

Honor Code: Details of the Student Honor Code system can be found at
`http://www.colorado.edu/academics/honorcode/`,
`http://www.colorado.edu/policies/honor.html`, and
`http://www.colorado.edu/policies/acadinteg.html`.
Sanctions for honor violations may include: a failing grade for a particular assignment; a failing grade for a particular course; and/or suspension for various lengths of time or permanent expulsion from the university.

The university administration has asked faculty to provide very clear, explicit and detailed instructions about what constitutes plagiarism. In this course we will adhere to the definition drafted by the CU Law School: Plagiarism is the use of any written material which is submitted in a manner which purports or suggests that it is the work and effort of the person submitting it and that it was prepared by him or her as part or all of the task of completing the assignment, but which material is in substance the work of another or is material previously prepared by the student and which was previously submitted for, and which received, academic credit of any kind and the subsequent use of such material was not, in advance, specifically authorized by the faculty member for whom the work was being done.