

## MATHEMATICS 8202 ALGEBRA, FALL 2009

Instructor: Bobbe Cooper, Vincent Hall 507, email address: bcooper@math.umn.edu.  
Office hours: MWF 10:00-11:00 or by appointment, from March 3rd to the end of semester  
Text: Dummit and Foote, Abstract Algebra.

### 1. COURSE ASSESSMENT

Your grade will depend on your performance on homework, quizzes and the final exam.

Homework will be due each Monday, starting 2/01/10. You may turn homework in during class or by 2:30 pm in my mailbox. Late homework will not be accepted. There will be about 12 homework sets throughout the semester.

There will be an in-class quiz every other Monday, starting 2/08/10, for 6 quizzes over the semester. The thirty minute quiz will cover the material on the previous Monday's homework, plus the material on the homework due that day. There will be no make-up quizzes. If you must miss a quiz for a genuine reason, you may come talk to me and I will give you the average score of your other quizzes on the missed quiz. If you do not come talk to me, you will receive a zero on the quiz.

The final exam will be a take-home exam.

The distribution of credit will be: homework 40%, quizzes 36% (6 points each), final exam 24%.

### 2. MATERIAL COVERED

Over the fall and spring semesters, we will cover the material on written exam syllabi for General Algebra, found at the department website [math.umn.edu/grad/Writtens/syllabus.html](http://math.umn.edu/grad/Writtens/syllabus.html). All this is in the book, except for the material on the finite dimensional spectral theorem, for which we will use other resources. In the spring, I expect we will cover topics from the following chapters of Dummit and Foote: 3, 4, 5, 13, 14.

Past written exams can be found at [math.umn.edu/grad/Writtens](http://math.umn.edu/grad/Writtens). I encourage you to look at these for example (challenge) problems.

### 3. EXPECTATIONS OF YOUR WORK

Your homework should be written in complete sentences, and all arguments should be explained fully. You may discuss homework problems with other students, but please write up your own work. For the final, no collaboration is allowed.

Official University Statement on Academic Dishonesty: Academic dishonesty in any portion of the academic work for the course shall be grounds for awarding a grade of F or N for the entire course.