

Math 677 (Groups and Representations)

Spring Semester 2010

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Class Meetings: Lectures are held every Tuesday and Thursday, and Friday from 9:30AM until 10:45 AM in Phillips 224.

Prerequisites: Math 676.

Text: The required text is “Abstract Algebra” by D. Dummit and R. Foote (third edition).

Supplementary references on reserve:

1. Algebra by S. Lang.
2. Algebra, by M. Artin.
3. Linear representations of finite groups by J.P. Serre.

Grading: There will two in-class exams, weekly homework and a final exam. The final course grade will be determined (approximately) as follows: In-class exams 40%, Homework 20% and Final 40%.

Exams:

First Midterm Exam: February 16 (Tuesday).

Second Midterm Exam: March 25 (Thursday)

Final Exam: May 1, 8-11 AM (Saturday).

Homework: Homework will be assigned each Tuesday and will be due Tuesday of the following week. In some sense, this is the heart of the course.

Office Hours: Phillips 307A, Monday, Wednesday 1:00PM - 2:30PM or by appointment (or see me after class).

Contacting Me: My email address is belkale@email.unc.edu and my office phone number is 919-962-9618.

Course Content: Group actions, field theory and representation theory. For more details see <http://www.math.unc.edu/for-grads/course-descriptions/677.html>