MATH 6303 – Modern Algebra II – Spring 2014
Syllabus

Instructor: Dr. Gordon Heier

Contact Information:
  Office: 666 PGH
  Office Hours: TTh 4pm-5pm, or by appointment
  Email: heier@math.uh.edu
  Web: www.math.uh.edu/~heier and www.math.uh.edu/~heier/teaching.html

Lecture: TTh 2:30pm - 4pm in SEC 105

Prerequisites: Math 6302 or consent of the instructor

Exams: Midterm Exam: March 20, in-class (subject to change)
  Final Exam: May 6, 2pm-5pm in SEC 105 (subject to change)

Text: Abstract Algebra by David Dummit and Richard Foote, 3rd Edition

Homework in the form of problem sets will be assigned on a regular basis and will be
due as described on each set. Late homework will not be accepted.

Attendance: Attending classes and exams is mandatory for all students. Missing class
makes a student liable to missing important information. Substantial documentation is
necessary to receive any kind of excuse or make-up privilege.

Grades: The homework and midterm exam will each account for 30 percent of your
grade, the final exam for the remaining 40 percent.

Disability: If you think or know that you have a disability that needs special
accommodation, please see me at the beginning of the semester so that the proper steps
can be taken.

Academic Dishonesty will not be tolerated and dealt with appropriately.

Course Content: This is the second course in the two course sequence Math 6302-6303
which covers the material relevant for our departmental Preliminary Examination in
Algebra.

Topics likely to be discussed are: polynomial rings (remainder of Ch. 9), field theory (Ch.
13 and some of Ch. 14), commutative rings and algebraic geometry (Ch. 15). A few
additional topics might also be covered, depending on time and audience interest.