

**MATH 6303 – Modern Algebra II – Spring 2019  
Syllabus**

**Instructor:** Dr. Gordon Heier

**Contact Information:**

Office: 666 PGH

Office Hours: M 3pm-4pm, or by appointment

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**Lecture:** MW 1pm-2:30pm in C 105

**Prerequisites:** Math 6302 or consent of the instructor

**Exams:** Midterm Exam: Wednesday, March 20, in-class (subject to change)

Final Exam: Monday, May 6, 2019, 2pm-5pm (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.

Topics likely to be discussed are: polynomial rings (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.

**UH CAPS Statement:**

Counseling and Psychological Services (CAPS) can help students who are having difficulties managing stress, adjusting to college, or feeling sad and hopeless. You can reach CAPS ([www.uh.edu/caps](http://www.uh.edu/caps)) by calling 713-743-5454 during and after business hours for routine appointments or if you or someone you know is in crisis. No appointment is necessary for the “Let’s Talk” program, a drop-in consultation service at convenient locations and hours around campus.

[http://www.uh.edu/caps/outreach/lets\\_talk.html](http://www.uh.edu/caps/outreach/lets_talk.html)