

**MATH 5320, INTRODUCTION TO MODERN ALGEBRA II,
SPRING 2009**

Classroom: JWB 208 **Time:** MWF 11:50–12:40 PM
Instructor: Domingo Toledo
e-mail: toledo@math.utah.edu
Office: JWB 324 **Phone:** (801) 581-7824
Office Hours: Mon 9:40–10:30, Wed 10:45–11:35, or by appointment.
Web-page: <http://www.math.utah.edu/~toledo/5320.html>

Prerequisites: Math 2270 and Math 5310.

Textbook: I. N. Herstein, *Abstract Algebra*, Third Edition.

Course Description: The course will be based on chapters 4 to 6 of the textbook, and probably some supplementary material on Galois theory. The main topics will be rings and fields. The discussion of field theory will include, as time permits, some Galois theory, and applications to classical problems in geometry and in solutions to polynomial equations.

Homework: Homework problems will be assigned and collected, roughly weekly.

Midterms: There will be two midterm exams on Wednesday, February 11 and Friday, March 27.

Final: Comprehensive final exam on Friday, May 1, 10:30–12:30.

Grading: Homeworks, drop lowest 2:	30 %
Two Midterm Exams:	40 %
Final exam:	30 %

Important dates: Last day to drop (delete) classes: Wednesday, January 21. Last day to withdraw from classes: Friday, March 6.

ADA: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations you may require for this course.