

UNIVERSITY OF CENTRAL FLORIDA
Department of Mathematics

MAS4302 Abstract Algebra II, Spring 2008

COMM 113, TR 12:00-1:15pm

Instructor: Dr. Heath Martin
Department of Mathematics
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Office Hours: TR 9:30-10:30, 12:00-1:00; W 10:30-11:30 or by appointment

Text: *Concepts in Abstract Algebra*, Charles Lanski

Course Content: The basic theory of rings and fields. This is essentially Chapters 10 through 15 of the Lanski text, perhaps with some additions and deletions. We will cover the basic definitions of rings and ideals, ring homomorphisms, special rings such as PIDs and UFDs, the theory of commutative rings including localization and the primary factorization of ideals. We will also cover the basic theory of fields, including quotient fields, finite fields, algebraic and transcendental extensions, and the elementary Galois Theory.

Grading: I expect to collect and grade homework assignments on a regular basis. Homework submitted for a grade should be neatly presented. In addition to homework, there will be two in-class tests, and a comprehensive final examination. Dates for the in-class tests will be announced at least one week in advance, and should occur at roughly equal intervals. The final exam is scheduled for Tuesday, April 22, at 10:00am – 12:50pm in the regular classroom.

Homework	25%
Tests	50%
Final Exam	25%

Final course letter grades are given on the standard grading scale: A: 90%-100%, B: 80%-89%, C: 70%-79%, D: 60%-69%, F: 0%-59%. There are no grades of NC for this class, nor will plus/minus grades be assigned.

Make-ups: By University policy, students may make up missed quizzes, tests, and exams in the case of official university activity. In other cases such as illness or family emergency, students must present me with written documentation of the absence; if approved, the missed test score will be replaced by the final exam score. There will be no make-ups for missed quizzes. For unapproved absences, a score of zero will be entered in the gradebook.

Each student MUST take the final exam at the scheduled date and time. Students who do not take the final exam will receive an F for the course. Note in particular that travel plans are not an approved excuse for missing or rescheduling the final exam

Attendance and classroom conduct: Attendance is an important part of the learning process. Students are expected to attend each lecture; attendance records may be kept. Evidence of excessive absences may be used in the assignment of course grades. Common courtesy requires that students come to class on time, and stay the entire class period. Cellphones and other electronic devices should be turned off. Please treat your classmates and instructor with respect and courtesy.

Academic Honesty: Cheating will not be tolerated in this course. Students found to be cheating will be dealt with to the full extent of University policy.

Important Dates:

February 29: Withdrawal Deadline

March 10-15: Spring Break

April 22: Final Exam

Interpretation of Syllabus: In the event a student attempts to exploit a loophole in this syllabus, then I alone will interpret the provisions of the syllabus. I also reserve the right to correct errors on this syllabus.