Math 4363	Fall 2019
Modern Algebra II	**Dr. Ryan C. Daileda**

Course URL: `http://ramanujan.math.trinity.edu/rdaileda/algebra`

Office Hours and Contact Information: Consult the course web page.

Textbook: *Undergraduate Algebra* (3rd ed.) by Serge Lang

Course Content: The theory of rings and fields. Special topics may include the theory of Dedekind domains, Galois theory or (some flavor of) representation theory.

Homework: Homework will be assigned daily and will consist of reading as well as problem solving. All assignments will be posted on the course homework web page. Reading assignments are to be completed daily while written work will typically be turned in Wednesday of the following week; due dates for written work will be clearly indicated. I reserve the right to penalize or refuse to accept late assignments.

All homework assignments must be typeset in LaTeX and submitted electronically. For each assignment you will be required to submit both your compiled PDF document as well as the source code that produced it. You will be penalized if your code is haphazardly organized, or if I cannot compile it myself without errors. Handwritten homework will not be accepted.

Collaboration on homework assignments is permitted and encouraged, and you are free to consult any individual or resource that you find helpful. However, simply copying the work of another is unacceptable. Attempting to pass off the work of others (regardless of the source) as your own will be considered a violation of the honor code.

Exams: There will be two take-home midterm exams during the semester, as well as a cumulative final exam. Ideally, midterm solutions will be typeset in LaTeX as well.

Use of Previous Exams: Students are permitted to obtain and study exams given in previous semesters. However, previous exams should not be used to judge the content or difficulty of the exams that will be given in this course.

Attendance: Attendance is expected but is not mandatory. Roll will not be taken, but excessive absences should be explained to me.

Grades: Your course grade will be based upon the scores on the homework, midterm exams, and the final exam as follows:

Homework	30 %
Midterm Exams	20 % (each)
Final Exam	30 %

Classroom Decorum: Please be respectful of your classmates and myself. I encourage classroom discussion, but talking to one another without addressing the entire class is unacceptable. Using your cell phone during class is also extremely disrespectful.

Academic Integrity: All students are covered by the Trinity University Honor Code which prohibits dishonesty in academic work. Under the Honor Code, a faculty member will (or a student may) report an alleged violation to the Academic Honor Council. It is the task of the Council to investigate, adjudicate, and assign a punishment within certain guidelines if a violation has been verified. Students are required to pledge all written work that is submitted for a grade: "On my honor, I have neither given nor received any unauthorized assistance on this work" and their signature. The pledge may be abbreviated "pledged" with a signature.

The specifics of the Honor Code, its underlying philosophy, and the norms for sanctioning can all be found on the Academic Honor Council website, accessed through the Trinity Homepage:

https://inside.trinity.edu/academics/academic-honor-code

Special Needs: If you have a documented disability and will need accommodations in this class, please speak with me privately early in the semester so I may be prepared to meet your needs. If you have not already registered with Student Accessibility Services, contact the office at 999-7411 or SAS@trinity.edu. You must be registered with SAS before I can provide accommodations.

Academic Support Resources: Trinity faculty hold students to the highest academic standards, but we also know that the very best students seek out help when necessary. You can learn more at Trinity's Academic Support Homepage:

https://inside.trinity.edu/student-success/academic-support