

Math 4336 – Abstract Algebra II
Fall 2021

Professor: Dr. David Milan

Office: RBN 4006

Office Hours: TR 10am-11am and 1pm-2:30 pm, or by appointment.

Email: dmilan@uttyler.edu

Office Phone: (903)565-5839 (email is best)

Web: class page on canvas

Class Meeting Time: MW 2:30–3:55 pm

Required Text: *Abstract Algebra: theory and applications* (2019 edition) by Thomas W. Judson. This book is inexpensive online. It is also available for free at the author's website: <http://abstract.ups.edu/>.

Prerequisites: Math 3336 (Abstract Algebra I)

Course Description: Study of algebraic structures. Emphasis is given to groups, rings, and fields.

Learning Outcomes: Upon completion of this course, students should be able to do the following:

- Prove facts about rings, integral domains, and fields.
- Know many examples of the above objects satisfying various properties.

Course Evaluation: Your grade will be based on:

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| HW | 20% |
| Three Exams | 60% |
| Final Exam | 20% |

The grading scale will be no harsher than 90% = A, 80% = B, 70% = C, 60% = D.

Important Dates:

Sep. 3: Census date: date to withdraw without penalty and grade replacement deadline.

Nov. 1: Last day to drop course with a W.

November 22-26: Thanksgiving break

Final Exam: Wednesday, December 8, 2:45pm to 4:45pm/

Homework: Homework will be assigned each week. I encourage students to discuss the homework outside of class. The best way to succeed is to form a small study group and work together after class. However, **every student should write his or her own solutions independently**. The large majority of your grade comes from performance on tests. If you do not practice solving problems and writing those solutions independently, your proof writing is not likely to improve and your test grades will suffer.

Exams: As on the homework, students should expect to write high quality proofs on all exams. The focus will not be on memorization of terminology nor will the test consist of a series of routine calculations.

University Policies: See <http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf> for these important University policies: UT Tyler Honor code, student rights and responsibilities, campus carry, UT Tyler a tobacco-free university, grade replacement and forgiveness, state-mandated course drop policy, student accessibility and resources, student absence for university-sponsored events, social security and FERPA, emergency exits and evacuation, and student standards of academic conduct.