

Towson University
Department of Mathematics
Math 369.001: Introduction to Abstract Algebra
Fall 2017

Mondays and Wednesdays, 12 – 12:50pm and Fridays, 12 – 1:50pm in YR 122

Vince Guingona

Office Location: YR 357

vguingona@towson.edu

Office Hours: Mondays and Wednesdays, 2:30 – 4pm

Blackboard: <https://blackboard.towson.edu/>

Course Description: Elementary number theory; congruencies, groups up to and including the isomorphism theorems, commutative rings, polynomials, unique factorization, irreducibility, finite fields.

Prerequisites: Math 265, Math 267, and Math 274

Required Text: *Abstract Algebra* by Beachy

Course Objectives: In this course, we will study algebraic structures, including groups, commutative rings, fields, the integers, and polynomial rings. This course will be a “proof based” course, focusing on reading and writing formal proofs in the algebraic setting.

Evaluation: Your grade in the course will depend on three midterm exams, each worth 20% of your grade, one final exam, worth 30%, and written homework assignments, worth 10%. This information is summarized below.

Graded Components		Final Grade Cut-Offs			
Exam 1	20%	A	93% - 100%	C+	77% - 79%
Exam 2	20%	A-	90% - 92%	C	70% - 76%
Exam 3	20%	B+	87% - 89%	D+	67% - 69%
Final Exam	30%	B	83% - 86%	D	60% - 66%
Homework	10%	B-	80% - 82%		
Total	100%				

Exam Dates:

- **Exam 1:** Wednesday, September 27
- **Exam 2:** Wednesday, October 25
- **Exam 3:** Wednesday, November 29
- **Final Exam:** Wednesday, December 13, 12:30 to 2:30pm

Homework: Weekly homework assignments will be posted on Blackboard. These will typically be due at the beginning of class on Fridays. You may work with others on your homework assignments, but each person must submit their own problem set.

Remarks and/or Policies: Class attendance is expected. If you miss class, it is your responsibility to get the material and homework assignments from other students. No late homework will be accepted. Normally, no make-up tests will be administered. If you cannot make a test, please let me know as soon as possible.

Calculators will not be allowed on exams.

The use of electronic devices during lecture (e.g., laptops for taking notes) is permitted so long as it is not disruptive to your fellow students.

Academic Integrity: All students are expected to adhere to the Towson University Student Academic Integrity Policy. Cheating in any form is unacceptable and failure to abide by the Student Academic Integrity Policy may result in the grade of F in the course.

Student with Disability Policy: This course is in compliance with Towson University policies for students with disabilities. Students with disabilities are encouraged to register with Disability Support Services (DSS), 7720 York Road, Suite 232, 410-704-2638 (Voice) or 410-704-4423 (TDD). Students who expect that they have a disability but do not have documentation are encouraged to contact DSS at www.towson.edu/dss/ for advice on how to obtain appropriate evaluation. A memo from DSS authorizing your accommodation is needed before any accommodation can be made.

Diversity Statement: In accordance with the Towson University Strategic Plan, the FCSM Diversity Action Plan, and the Department of Mathematics Diversity Action Plan, everyone participating in this course is expected to be respectful of each other without regard to race, class, linguistic background, religion, political beliefs, sex, gender identity or expression, sexual orientation, ethnicity, age, veteran's status, or physical ability. If you feel these expectations have not been met, please feel free to discuss it with me or with the designated diversity liaison Dr. Elizabeth Goode.

If you have any further questions about the course, please email me or discuss them with me during office hours.

Other Important Dates:

- **First day of class:** Monday, August 28
- **Drop without W deadline:** Wednesday, September 6
- **Drop deadline:** Monday, November 6
- **Last day of class:** Monday, December 11
- **Final exam:** Wednesday, December 13, 12:30 to 2:30pm

Good luck!!