

MATH 267.001 - Introduction to Abstract Mathematics - Spring 2022

Instructor/Class Information

Instructor	Dr. Vince Guingona vgingona@towson.edu YR 226
Class Times	Wednesday, 10:00am - 11:50am, YR 219 Friday, 10:00am - 11:50am, YR 129
Office Hours	Monday, 2:00pm - 4:00pm Wednesday, 2:00pm - 3:00pm or by appointment
Exam Dates (tentative)	Wednesday, March 2, 10:00am - 10:50am Wednesday, April 6, 10:00am - 10:50am Wednesday, May 4, 10:00am - 10:50am
Final Exam	Wednesday, May 18, 8:00am - 10:00am, YR 128

Course Information

Prerequisites. MATH 265 and MATH 273.

Course Description. Sets, mappings, relations, logic, mathematical induction, properties of the integers, Fundamental Theorem of Arithmetic, polynomials, and elementary analytic concepts. Not open to those who successfully completed MATH 361 or MATH 467.

Course Objectives. In this course, we will learn how to read and write mathematical proofs. We will utilize these skills on a variety of mathematical settings, including integer arithmetic, set theory, and real numbers.

Course Materials. The recommended primary source is *Reading, Writing, and Proving*, by Daepf and Gorkin.

Grading Policy

Your course grade will be based on the following assessments:

Homework	10%
Quizzes	20%
Three Midterm Exams	45%
Final Exam	25%

Exams. There will be three midterm exams given throughout the semester. Each of these exams will account for 15% of your course grade. The exact time of the exams will be posted on the *Timeline* section in the main menu.

The final exam, accounting for 25% of your course grade, will be cumulative. These exams are "Closed Book" exams; the use of external resources during the exam is prohibited.

The homework assignments will be worth 10% of your course grade and the quizzes will be worth 20% of your course grade. The due dates for these will be posted on the *Timeline* section in the main menu.

Percent	0-59%	60–66%	67-69%	70-76%	77–79%	80-82%	83-86%	87-89%	90-92%	93-100%
Grade	F	D	D+	C	C+	B–	B	B+	A–	A

Homework and Quizzes

Homework Assignments. Written homework assignments will be assigned approximately once a week. The due dates of the assignments will be posted on the *Timeline*. You may work in groups on the homework assignments, but each student will need to turn in their own work.

Quizzes. Throughout the course of the semester there will be 10 quizzes. Typically, the quizzes will require fluency in material that has been covered during the prior week, but the due date and the precise scope for each quiz will be posted on the *Timeline*. As with the exams, quizzes are "Closed Book"; the use of external resources during the quiz is prohibited.

Other Policies

Attendance. As in all TU classes, regular class attendance is expected. If you are absent from class, it is your responsibility to get any missed information from your classmates.

Make-ups and Late Work. Late homework assignments will not be accepted, and no make-up quizzes will be given. In case of a documented excused absence that covers a homework assignment or a quiz, you will be exempted from that assessment and the respective grade simply will not be a part of your grade record. If you have a documented excused absence that covers an exam, I will work with you to find a reasonable alternative accommodation.

It is TU policy to excuse student absences for the following reasons: illness or injury when the student is unable to attend class; death of a family member (see the [Student Bereavement Procedure](#) on the website); religious observance where the nature of the observance prevents the student from attending class; participation in University activities at the request of University authorities; and compelling verifiable circumstances beyond the control of the student. Absences that do not fall in any of these five categories are unexcused. In case of a scheduled excused absence, the student must provide documentation at least one week prior to the date of the absence for it to be excused; otherwise, documentation must be provided as soon as possible.

Calculator Policy. Calculators will not be allowed on exams and quizzes (they will not be helpful anyway).

Academic Integrity. Exams and quizzes are to be completed strictly individually using only the material provided by your instructor. Students are expected to be familiar with TU's [Student Academic Integrity Policy](#), especially the sections that define plagiarism, cheating and complicity (II.B–II.E) and describe the possible grade penalties (V.C).

Accessibility and Disability Services (ADS): This course is in compliance with Towson University policies for students with disabilities. Students with disabilities are encouraged to register with ADS at:

7720 York Road, Suite 232
410-704-2638

Students who expect that they have a disability but do not have documentation are encouraged to contact ADS (see the ADS website) for advice on how to obtain appropriate evaluation. A memo from ADS authorizing your accommodation is needed before any accommodation can be made.

Diversity. In accordance with TU, FCSM, and departmental objectives, everyone 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, veterans status, or physical ability. If you feel that these expectations have not been met, please, contact Dr. Elizabeth Goode.

Mask Policy. As of March 1, 2022, mask-wearing will now be voluntary in all university buildings and facilities, including classrooms.

Version. Mar. 1, 2022