



Syllabus

Instructor/Class Info

Instructor	Vince Guingona YR 357 vgingona@towson.edu
Class Times	WF 8:00 AM - 9:50 AM, YR 128
Office Hours	M 8:00 AM - 9:30 AM, W 2:00 PM - 3:30 PM (or by appointment)
Exam Dates	Exam 1: Wednesday, February 26, 8:00 AM - 8:50 AM Exam 2: Wednesday, April 1, 8:00 AM - 8:50 AM Exam 3: Wednesday, April 29, 8:00 AM - 8:50 AM
Final Exam	Friday, May 15, 8:00 AM - 10:00 AM, YR 128

Course Info

Prerequisites: Math 265 and Math 273

Course Description: Sets, mappings, relations, logic, mathematical induction, properties of the integers, the fundamental theorem of arithmetic, and elementary analytic concepts.

Course Objectives: In this course, we will learn how to read and write mathematical proofs. We will read and understand basic proofs. We will discover how to create formal and valid arguments, constructing short basic proofs. We will utilize these methods on specific mathematical topics, including algebra and analysis.

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

Grading Policy

Your course grade will be determined by your cumulative grade on the weekly homework assignments, the weekly quizzes, the three midterm exams, and the final exam. The homework assignments are worth 10%, the quizzes are worth 20%, each midterm exam is worth 15%, and your final exam is worth 25%. This information is summarized below:

Graded Component	Homework	Quizzes	Exam 1	Exam 2	Exam 3	Final Exam	Total
	10%	20%	15%	15%	15%	25%	100%

The course average will then be used to determine your course grade from the table below.

Average	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 & Quizzes

Written homework assignments will be scheduled approximately once per week and posted on Blackboard. These will typically be due at the beginning of class on Wednesdays. You may work with others on your homework assignments, but each person must submit their own problem set. The assignment due dates are posted on the *Timeline*.

On the days that homework is due, we will have a 15 minute in-class quiz covering the material from the homework. We will have ten written homework assignments over the course of the semester, each worth 1% of your grade, for a total of 10%. We will also have ten quizzes over the course of the semester, each worth 2% of your grade, for a total of 20%.

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. Moreover, it is your responsibility to make a case that any excused absences are *documented*.

It is TU policy to excuse student absences for the following reasons: illness or injury when the student is unable to attend class; 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 four 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.

Make-ups and Late Work: Late written assignments will not be accepted, and no make-up quizzes will be given. In case of a documented excused absence (see above), you will be exempted from that assessment and the respective grade simply will not be a part of your Homework and Quiz record. If you miss an exam due to a documented excused absence, we will work with you to find a reasonable alternative accommodation.

Calculator Policy: Calculators will not be allowed on exams and quizzes.

Help: Please feel free to contact me, or make an appointment, if you have questions or concerns about the class. I strongly encourage you to visit my office hours with your questions. You may also find it helpful to visit the [Mathematics Tutoring Center](#).

Academic Integrity: Quizzes and exams are to be completed strictly individually. For written assignments, students should consult only with the class materials, the instructors, the Tutoring Center, or their classmates, not with any other external sources. Moreover, each student is responsible for

writing their own homework solutions independently: "group" solutions are a violation of TU's [Student Academic Integrity Policy](#), to which all students are expected to adhere.

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 (Voice) or 410-704-4423 (TDD)

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 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 that these expectations have not been met, please, contact Dr. Elizabeth Goode.