Math 0400: Finite Mathematics

Fall 2024

Instructor: Amanda Checque
Office: 620 Thackeray Hall
Office Hours: M,W 5:00 - 6:00 PM or by appointment

E-mail: alc660@pitt.edu

Textbook:
Finite Mathematics for the Managerial, Life, and Social Sciences, Eleventh Edition, Soo T. Tan.

Course Prerequisite:
Minimum Math placement score of 61 or completion of Math 0031, Math 0020, or Math 0110
with a minimum grade of C

Objective:
This course is designed to introduce students from various disciplines to the applied world of
mathematics within a discrete context.

Calculator Policy:
TI-84 Plus Graphing Calculator or graphing calculator with similar capabilities. Calculators with
CAS capability, laptops, and cell phones are strictly prohibited.

Grading:
Homework   15%
Quizzes   15%
Exam 1   20%
Exam 2   20%
Final Exam   30%

Quizzes:
Quizzes will be given on paper during class. They will be unannounced and the questions will be
modeled after homework problems.

Homework:
Homework will be completed by hand, submitted to Canvas in PDF format, and will be graded
by a department-designated grader.

Exams:
Exams will be given on paper during class. All exams must be completed in pencil.

Exam 1: Wednesday, October 2, 2024
Exam 2: Wednesday, November 6, 2024
Final Exam: Wednesday, December 11, 2024

Academic Integrity:
Cheating/plagiarism will not be tolerated. Students *suspected* of violating the University of Pittsburgh Policy on Academic Integrity will incur a minimum sanction of a zero score for the quiz, exam or paper in question. Additional sanctions may be imposed, depending on the severity of the infraction.

Topics:
- Represent problem situations with graphs of straight lines and linear functions.
- Apply systems of linear equations and matrices to various situations.
- Introduction to logic including truth tables and arguments.
- Compound interest including effective rate and present value.
- Solve practical problems by combining sets algebraically.
- Analyze situations using probability and probability distribution rules, including Bayes' Theorem and Markov Chains.

Available Supports:
→ Tutoring in the [Math Assistance Center (MAC)](#)
→ Office Hours (In-person and over Zoom by appointment)
→ [Disability Resource Services](#)

[Disability Resource Services](#):
If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services, 140 William Pitt Union (412) 624-7890 as early as possible in the term.