

MATH 1070Q**Mathematics for Business and Economics**
Name Here**High School Name Instructor: Your****Your phone number****Current Semester****Your email address**

This course is given in cooperation with the Early College Experience Program
at the University of Connecticut, ece@uconn.edu, 860-486-1045

Meeting Times:**Office Hours:****Text: Applied Finite Mathematics** by Edmond C Tomistik & Janice L Epstein**Prerequisite:** Precalculus recommended.

Homework: Doing problems on your own is a vital tool necessary to be successful in mathematics. Therefore homework will be assigned and due most weeks throughout the term. You will have enough time to work on the assignments which hopefully will give you ample opportunity to ask any questions you may have.

Quizzes: Weekly in-class quizzes will also be given most weeks during the term. These will be short (approximately 10 to 15 minutes) with questions based on the most recently turned in homework.

Exams: There will be four exams during the term. There will also be a cumulative final exam given during finals week.

Late Work & Makeup Policy: Late work will be accepted at discretion of the instructor and may be accompanied by a penalty on the score. No makeups for quizzes or exams will be given unless there is a verifiable excuse. All issues with final exam rescheduling are handled by the Dean of Students office.

Grading: Your high school and UConn grades may differ. The final UConn grade will be within one full letter grade of the final exam grade with adjustments made to ensure synchronicity with the UConn-Storrs grading standard. Within this framework, the grade for the course will be based as follows:

Homework (10%)
Quizzes (15%)
Exams (12% each)
Final Exam(27%)

Academic Integrity: A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgement of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting, and it will not be condoned. Sanctions shall include, but are not limited to, a letter sent to the Office of Community Standards of the University, a grade of 0 on the assignment, quiz, or exam, or a grade of F for the course.

Math 1070Q Outline (updated Fall 2023)*

***Your schedule is allowed to vary! Please aim to cover at least 5 chapters in the book. I would prefer everyone cover at least Voting Theory, Apportionment, Finance, and Probability. Below is a sample from UConn.**

The following is the planned schedule for the class. The numbered sections are from the official textbook.

Week	Section	Topic
1	1.1	Mathematical Models
	1.2	Systems of Linear Equations
2	2.1	Introduction to Matrices
3	2.2	Matrix Multiplication
	1.3	Gauss Elimination for Systems of Linear Equations
4	1.4	Systems of Equations with Non-Unique Solutions
	3.1	Linear Programming Problems
	3.2	Graphing Linear Inequalities
5	3.3	Graphing Solutions of Linear Programming
6	4.1	Introduction to Sets
	4.2	The number of Elements in a Set
7	4.3	Sample Spaces and Events
	4.4	Basic Probability
8	5.1	Multiplication Principle and Permutations
9	5.2	Combinations
	4.5	Rules for Probability
10	4.6	Conditional Probability
	4.7	Bayes Theorem
11	5.3	Probability Applications of Counting Principles
	5.4	Bernoulli's Trials
12	6.1	Random Variables and Histograms
	6.2	Measure of Central Tendency
13		Thanksgiving Break
14	6.3	Measure of Spread
	6.4	Normal Distribution

Week	Section	Topic
	F1	Simple Interest and Discount
15	F2	Compound Interest
	F3	Annuities
	F4	Present Value of Annuities and Amortization