MATH 1070Q Section 801

Spring 2026

Course and Instructor Information

- **Course Title:** Mathematics for Business and Economics
- **Credits:** 3
- **Format/Meet Times:** In-Person, Tuesday, Thursday 2:00-3:15, Room 139
- **Prerequisites:** Recommended preparation: MATH 1010 or the equivalent.
- **Professor:** Dr. Kevin Kellinsky-Gonzalez (Prof. K / Dr. K)
- **Email:** kevin.kellinsky-gonzalez@uconn.edu
- **Office:** 3.31B

Extra Help / Office Hours

I will host office hours on Wednesday from 2:30-4:30 or by appointment. *Please* feel free to stop by if you have any questions or would like some extra help. **Note:** Also feel free to email me if you have any questions about anything. *Please do not send me messages through the WebAssign messaging system. I do not read or respond to those messages.*

Course Description

This course covers a variety of topics including probability, systems of equations, matrices, interest formulas, an introduction to statistics, and several others. Along the way, we will investigate some applications to the world of business and economics.

Learning Objectives

1. Describe the relations between sets and determine the sizes of different combinations of sets.
2. Utilize the rules of probability and calculate the probabilities of different combinations of events.

3. Apply the multiplication principle to compute the number of ways a specified choice can be made from a number of options.
4. Recognize the types of random variables and calculate their fundamental statistics.
5. Evaluate interest earned or owed, and analyze the values of loans, funds, and investments.
6. Use linear equations to model situations with business applications and solve systems of linear equations.
7. Identify matrix properties and perform operations on matrices.
8. Solve for the optimal values of linear programs.

Course Materials

Required course materials should be obtained before the first day of class. Required textbooks are available for purchase through the UConn Bookstore (or use the Purchase Textbooks tool in HuskyCT).

Required Materials:

- **Textbook:** *Applied Finite Mathematics* by Edmond C. Tomastik and Janice L. Epstein.
- We will be using Cengage/WebAssign for online homework.
- Helpful course page:https://cengageorg.my.site.com.

The course page contains a video on the student registration process into WebAssign through HuskyCT and information on the Student Virtual Office Hours. Please visit this link if you have any questions about setting up WebAssign. I will announce new WebAssign HW assignments and due dates in class.

Homework Makeup / Extension Policy

Students may have a total of 3 homework extensions. Extension requests must be submitted to me via **email. Do not submit questions or extension requests via the WebAssign messaging system. I will not read or reply to them.**

Calculator and Resources Policy

You may use a calculator on the exam. There will be no formula sheets on exams.

Course Requirements and Grading

We will have regular 3 exams and a final exam. We will have quizzes most weeks at the end of class on Thursday. **Whenever there is a quiz, it will always be on the previous week's material.** I will drop the lowest regular exam and the lowest quiz. There will be no make-up exams or quizzes.

Summary of Course Grading

Course Components	Weight
Regular Exams	50%
Cumulative Final Exam	30%
WebAssign HW	15%
Weekly Quizzes	5%

Grading Scale:

Range	Grade
92.5–100	A
89.5–92.4	A-
86.5–89.4	B+
82.5–86.4	B
79.5–82.4	B-
76.5–79.4	C+
72.5–76.4	C
69.5–72.4	C-
66.5–69.4	D+
62.5–66.4	D
59.5–62.4	D-
0–59.4	F

Academic Integrity / Cheating Policy

Academic integrity is essential. Any form of dishonesty can result in a zero grade on an assessment and/or failure in the course. **In particular, if I see you using a phone during a quiz or exam, you will receive a zero. I will not give you a warning; I will simply give you a zero. Any zero that is the result of cheating will NOT be dropped.**

Accommodations for Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or http://csd.uconn.edu/.

Tips on how to learn mathematics

- Have a solid foundation. Are you able to:
  - Use algebra to solve linear equations
  - Factor polynomials
  - Work with fractions

  If the answer to any of these is "no", please attend office hours and/or visit the tutoring center. I am more than happy to help you get caught up.
- Do not fall behind! Math builds on itself, which means it is essential to stay on top of the material. Furthermore, it is almost impossible to "cram" for a math test.
- Practice Practice Practice! Simply reading your notes is not an effective way to learn mathematics for the vast majority of people. It is essential that you redo the homework problems and the examples from class. You should do this until you can comfortably solve all of the problems from start to finish without any help.
- Don't be afraid to ask for help. I encourage everyone to form study groups with other members of the class. Check out the tutoring center - some of my former students work there! There are many great resources online such as Youtube videos. On the other hand, you should make a sincere effort to solve the homework problems on your own before seeking help. It is okay to get stuck. It is not okay to not try in the first place.

Changes to Syllabus

The information contained in the course syllabus may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.