MATH 1030Q: Elementary Discrete Mathematics-SEC801, Class number 10842

Fall 2026

Excluding materials for purchase, syllabus information may be subject to change. The most up-to-date syllabus is located within the course in HuskyCT.

Instructor Information:

Instructor: Nuwanthi Samarawickrama, Ph.D. (she/her). You can call me Dr. Nuwanthi or Dr. Samarawickrama

Email: nuwanthi.samarawickrama@uconn.edu

Office: 381

Office hours : MWF 2-3 PM. You can stop by anytime if I am in the office on other days and other times as well.

Course Materials:

- The *FREE* textbook for the course is "Math in Society" by David Lippman. http://www.opentextbookstore.com/mathinsociety/
- Recommended supplemental textbook: "Beginning and Intermediate Algebra" by Tyler Wallace: https://resources.saylor.org/wwwresources/archived/site/wpcontent/uploads/2011/12/SAYLOR-MA001-TEXT.pdf

Technical Requirements:

The software/technical requirements for this course include:

- HuskyCT/Blackboard (HuskyCT/ Blackboard Accessibility Statement, HuskyCT/ Blackboard Privacy Policy)

Course Description:

This course includes a sampling of topics from discrete mathematics. These include counting and probability, graph theory, scheduling, voting methods, apportionment methods, growth models, and mathematics of finance.

Course Objectives:

The goal for this semester is to learn mathematical ideas relevant to everyday life to improve: critical thinking skills, problem-solving, and communication. You will not be required to memorize formulas but rather learn how to apply them to solve new problems. This course will consist of practicing reasoning and problem-solving skills and discussing problems with others to build mathematical communication skills.

The main things I hope you take away from this course are:

- A positive experience with math

- Confidence in learning new mathematical skills
- The ability to communicate mathematical ideas/problem-solving steps effectively

Calculator and Resources Policy

You may use a calculator on the exam, as long as it cannot perform symbolic manipulation (e.g. solve equations). You may use one hand-written formula / cheat sheet on exams. You must submit your formula sheet with your exam.

Course Components 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. I will let you know ahead of time what topics the quiz will cover. I will drop the lowest lowest quiz grade. There will be no make-up exams or quizzes**.**

Important Dates

- Homework - Weekly homework assignments are due in-class on Mondays.
- Quizzes - Periodically we will have short quizzes. I will announce the dates and topics of quizzes in class.
- Test 1 – 09/29
- Test 2 – 10/27
- Test 3 - 11/17
- Final Exam - To be announced by the university

Grading:

Regular Exams	45%
Final Exam	25%
Homework	10%
Weekly Quizzes	10%
Class participation	10%

The grading scale used will be 92.5–100 A , 89.5–93.4 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:

Please respect your work and the work of others. Cheating will be taken seriously. Examples of things that will be addressed include, but are not limited to, communicating with anyone not explicitly allowed during any quiz or exam, representing another person's work as your own (this includes copying or paraphrasing a solution from a friend, solution manual, tutor, or website), or using unauthorized materials for any quiz or exam. Consequences may include, but are not limited to, a score of zero on the assignment, quiz, or exam, or a grade of F in the course. To read UConn's full policy on Academic Integrity, visit community.uconn.edu/the-student-code-appendix-a/.

How to Succeed in This Course:

- Complete all assignments.

- Read through the material BEFORE the week begins to get an idea of what we will cover. This will help you to follow the topics and ideas more closely and ask questions that will better help you to understand the concepts and mechanics.
- Practice problems regularly and beyond what is on the homework. Worksheets provided on HuskyCT and textbook problems/examples/Try it now problems are good sources for practice problems.
- Make sure to interact and utilize class materials posted on HuskyCT. Actively participate by taking notes while watching videos, posting to discussion boards, forming study groups, and attending office hours.
- Use the discussion board! Each unit we will have a discussion board for "Muddy Points." This is where you can ask questions about the material and let me know which topics you are still finding confusing. This will allow me to provide everyone with more resources and examples for the questions that are the most challenging each week. You can also respond to other questions with any insights you have or tips you found helpful!
- If you have any questions or feel you are not absorbing the material please email me to set up a time to meet or come to office hours!

Late Work Policy:

I understand that things come up during the semester that might impact your ability to complete assignments. Please do your best to contact me ahead of the deadline to discuss extensions or flexibility for assignments. Late work will not be accepted unless you contact me.

Grading and Feedback:

Your grades will be posted to HuskyCT throughout the semester so you can check your progress in the course. Assignments will be graded, usually within 4 days of the due date but not later than a week. If you have questions about your graded work, please contact me directly.

Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important standards, policies and resources, which include:

Academic, Scholarly, and Professional Integrity and Misconduct

Netiquette and Communication

The discussion board is a great way to connect with other students and find potential study group partners. Communicating about mathematics is a new skill that takes practice and I hope you will all take advantage of this opportunity.

At all times, course communication with fellow students and the instructor are to be professional and courteous. It is expected that you proofread all your written communication, including discussion posts, assignment submissions, and mail messages. If you are new to online learning or need a netiquette refresher, please look at this guide titled, Rules of Netiquette in Online & Distance Learning Courses.

Academic Calendar

The University's Academic Calendar contains important semester dates.

Course Add/Drop

If you should decide to add or drop a course, there are official procedures to follow:

- Matriculated students should add or drop a course through Student Administration System.
- Non-degree students should refer to the Registrar's office Non-Degree and Visiting Students page for more information.

You must officially drop a course to avoid receiving an "F" on your permanent transcript. Simply discontinuing a course or informing the instructor you want to drop does not constitute an official drop. For more information, refer to the: Undergraduate Catalog

Policy Against Discrimination, Harassment and Related Interpersonal Violence

The University's Policy Against Discrimination, Harassment, and Related Interpersonal Violence reinforces that UConn is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate amorous relationships can undermine the University's mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate amorous relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Additionally, to protect the campus community, all non-confidential University employees (including faculty) are required to report sexual assaults, intimate partner violence, and/or stalking involving a student that they witness or are told about to the Office of Institutional Equity. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with University officials who can help. More information is available at equity.uconn.edu and titleix.uconn.edu.

Students with Disabilities

Your disability does not define you but I want to support you while you are taking this course and it is helpful for me to know in advance about any potential challenges that might affect your learning or success in this course. Please reach out to me to discuss anything I can assist with throughout the semester.

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/.