UNIVERSITY OF CONNECTICUT – HARTFORD BRANCH
DEPARTMENT OF MATHEMATICS
Fall 2019

COURSE:	**MATH 1030Q (section 71)**
TITLE:	**Elementary Discrete Mathematics**
PREREQUISITES:	The prerequisite for the course is a basic high school algebra background.
CREDIT RESTRICTIONS:	Not open for credit to students who have passed any Math course other than MATH 1010, 1011, 1020, 1060 or 1070.
COURSE DESCRIPTION:	The goal for the semester is to learn, understand and be able to work with the main ideas of elementary discrete mathematics as problem solving strategies, solutions of simultaneous linear equations, sequences, counting and probability, graph theory, deductive reasoning, number systems.
INSTRUCTOR:	**Tatiana Gotcheva**
EMAIL:	**Tatiana.Gotcheva@uconn.edu**
OFFICE HOURS:	**TR 11:00 AM - 12:00 PM, or by appointment.**
TEXTBOOK:	**Mathematics Beyond the Numbers,** by Gilbert and Hatcher, Kendall Hunt publishing company, Second edition ISBN 978-1-4652-7829-6
COVEREGE:	Selected sections from chapters 1, 2, 3, 4, and 6 will be covered.
SCHEDULE OF CLASSES:	**TR 9:30 AM – 10:45 AM in HTB 317.**
ATTENDANCE:	The material covered by this course will be discussed and explained clearly in class and proper examples will be solved. Therefore, regular class attendance is important.
EXPECTATIONS:	I expect you to do most of your learning outside of the classroom. You should expect to spend 5-8 hours a week studying and working for this course outside of class. We will not have time in class for you to do a lot of mathematics yourself. However, if you miss a class, I do expect you to find out what happened, either from your instructor or one of your classmates. You are responsible for everything that goes on in class. I expect you to come to class and participate actively in class discussions.

EXAMINATIONS:

There will be three exams during the semester and a cumulative final exam on **TBA**. Final exam week for Fall 2019 takes place from Monday, December 9th through Sunday, December 15th. Students are required to be available for their exam during the stated time. If you have a conflict with this time, you must visit the Dean of Students Office to discuss the possibility of rescheduling this exam.

Please note that vacations, previously purchased tickets or reservations, social events, misreading the exam schedule and over-sleeping are not viable excuses for missing a final exam. If you think that your situation warrants permission to reschedule, please contact the Dean of Students Office with any questions. Thank you in advance for your cooperation.

The examination problems will be similar to those solved in class, included in take-home exams, or given as homework assignments. There will be some quizzes scattered throughout the semester. All quizzes and exams will be closed notes and closed book. There will be no makeup's for missed work; an unexcused absence will be given a grade of 0, and an excused absence (and there are very few reasons for excusing a missed exam) may be replaced by the corresponding section of the final exam. The instructor should be notified before missing any exam or quiz if possible and immediately thereafter when not possible. We will be making frequent use of the TI-83 graphing calculator in class. Calculators are welcome. You are allowed to use a TI graphing calculator (82, 83, 85 or 86). You will be able to use your calculator on the exams, quizzes and the final exam. The following policy holds for any calculator used on any graded work.

DEPARTMENTAL CALCULATOR POLICY:

Calculators that can perform symbolic operations or store symbolic formulas (such as the HP 28 or 48 or TI-92 or 89) are not allowed, even if all programs are erased before the exam begins. If you bring a calculator to the exam, make sure it does not do alphanumeric manipulation. The instructor may randomly ask for calculators and check programs stored in memory. No alphanumeric formulas stored as programs are allowable. Discovery of such material will result in confiscation of the exam paper of the person using that calculator, and assignment of a grade of 0 for the exam. Calculators from cell phones, laptops, tablets are not allowed in class.

HOMEWORK:

The best way to learn mathematics is to solve as many problems as possible. In the list below are given the suggested problems that you have to solve before solving your take-home exams problems. As the name suggests, homework is work to be done outside of class. **We will not devote much class time to discuss homework problems. Please feel free to see me during the office hours to obtain assistance.**

GRADING:	**THREE EXAMS**	**42%**
	THREE TAKE-HOME EXAMS	**23%**
	QUIZES	**5%**
	FINAL EXAM	**30%**
	TOTAL	**100%**

If you score 93% or more your final grade will be an A, 90% or more but less than 93% - A-, 87% or more but less than 90% - B+, 83% or more but less than 87% - B, and so on. Less than 60% is F.

Policy statements:

ACADEMIC INTEGRITY:

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment 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. Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved.

A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation and shall be subject to the sanctions and other remedies described in The Student Code.

Sanctions shall include, but are not limited to, a letter sent to the Dean of Students of the University; a grade of 0 on the assignment, quiz or exam; a grade of F for the course.

DISABILITY ACCOMODATIONS:

Please contact me during office hours to discuss academic accommodations that may be needed during the semester due to a documented disability. The Center for Students with Disabilities (CSD) engages in an interactive process with each student and reviews requests for accommodations on an individualized, case-by-case basis. Depending on the nature and functional limitations of a student's documented disability, he/she may be eligible for academic accommodations. CSD collaborates with students and their faculty to coordinate approved accommodations and services for qualified students with disabilities. If you have a documented disability for which you wish to request academic accommodations and have not contacted the CSD, please do so as soon as possible. Detailed information regarding the process to request accommodations is available on the CSD website at **www.csd.uconn.edu**. For UCONN - Hartford campus, CSD is located in the Student Services Suite (room 106). If you have any questions, please contact Katie Halbruner at katie.halbruner@uconn.edu or (860) 200-3872.

Policy Against Discrimination, Harassment and Related Interpersonal Violence:

The University 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.

Student Conduct Code:

The students are expected to conduct themselves in accordance with UConn's Student Conduct Code.

MATH 1030Q, Fall 2019

Suggested Homework Assignments and Tentative Time Table

Week	Section	Homework Assignments (page/number)	Important dates
8/27 –8/29	1.1	15/1, 3, 7, 11, 15	
	1.2	28/1, 3, 5, 9, 12	
9/3 –9/5	1.3	41/1, 3, 7, 9, 11	
	1.4	53/2, 5, 7, 9, 11, 13 – 16	
9/10 – 9/12	2.1	119/1, 3, 5, 8, 9	
	2.2	140/1, 3, 5, 7, 11, 13	
9/17 – 9/19	3.1	190/1 – 29 odd	
	3.2	195/1, 7, 11, 15, 17, 21, 23, 27	
9/24 – 9/26	Review for Exam 1		
	3.3	210/1, 5, 9, 13, 17, 21, 31, 35, 39, 52	
10/1 – 10/3	Exam 1, Tuesday, October 1.		10/1 THE 1 Due Date
	3.4	221/1, 5, 9, 13, 15, 19, 21	
10/8 - 10/10	3.5	236/1, 5, 9, 13, 17, 23	
	4.1	263/1, 3, 5, 9, 11, 13, 17, 19, 23, 29	
10/15 - 10/17	4.2	273/1, 3, 5, 7, 11, 15, 17, 20	
	4.3	278/1, 3, 5, 7, 11, 13, 15	
10/22 – 10/24	4.4	288/1, 3, 7, 11, 13, 19, 23, 27, 34	
	Review for Exam 2		
10/29 – 10/31	Exam 2, Tuesday, October 29.		10/29 THE 2 Due Date
	4.5	306/1, 5, 9, 13, 17, 21, 25, 29, 35	
11/5– 11/7	4.6	317/1, 5, 9, 13, 17, 21, 25, 28	
	4.7	325/1, 5, 9, 12, 14, 17, 23	
11/12 – 11/14	4.8	338/1, 5, 7, 11 – 13, 17, 21, 25	
	6.1	479/1, 5, 7, 11, 13, 15, 17, 31	
11/19 – 11/21	Review for Exam 3		
	Exam 3, Thursday, November 21.		11/21 THE 3 Due Date
12/3 – 12/5	6.2	505/1, 5, 7, 9, 15, 19, 23	
	Review the whole material covered		
12/TBA	Final Exam		Room HTB 317