MATH 2710: TRANSITION TO ADVANCED MATHEMATICS

SPRING 2020

Instructor Information	Name: Alyssa Genschaw Email: alyssa.genschaw@uconn.edu Course Section: 001/002 Office: Monteith 121 Office Hours: TBA
Course Description	A course designed to prepare the serious student for the more theoretical upper division mathematics courses. It includes basic concepts, principles and techniques of mathematical proof. It will also cover concepts commonly assumed in some of the higher mathematics courses; these concepts include sets, set operations, indexed family of sets, equivalence relations and partitions, functions, one-to-one functions, onto functions, induced set functions.
Prerequisites	MATH 1132, 1152 or consent of instructor. Not open to student who have passed MATH 2143.
Textbook	"Introduction to Mathematical Thinking: Algebra and Number Systems" by William J. Gilbert and Scott A. Vanstone, as well as "The Book of Proof" by R. Hammack (found online for free using the following link): https://www.people.vcu.edu/~rhammack/BookOfProof/
Attendance	Attendance is vital to your success in this course. If you are to miss class for any reason, you are responsible for any notes or announcements given during class. When you are in class, I ask that you refrain from using your laptop/tablet (unless it is to take notes) or your cell phone.
Grading	Participation ..... 5% Quizzes ..... 10% Midterm Exams (25% each) ..... 50% Final Exam ..... 35% There are no "extra credit" assignments in this course. I will follow the standard grading scale, though the grade thresholds may be lowered at my discretion. For example, a 93% guarantees you're an A in the course, but a 91% may also become an A.
Homework	Suggested problems will be assigned from each section but will not be collected. It is your responsibility to make sure that you complete and understand each assignment. You should try the problems on your own and then discuss your solution with your peers. I am always available as a resource as well.
Participation	One of the best ways to learn, is to teach. Throughout the semester you will be required to go to the board (at least once) and explain a given homework assignment. Merely going to the board and writing your solution will not suffice. You must give your thought process on how you came up with your proof and answer any questions your peers might have. As part of your participation grade, it is also expected that you give your peers your attention as they are presenting their problem.
Quizzes	There will be quizzes given every Thursday (apart from exam weeks). The quizzes will be based off the homework problems assigned. There will be no makeup quizzes given. Your lowest two quiz grades will be dropped. Your quizzes will be returned to you in a timely manner. If there are any issues, please talk to me after class on the day that it is returned to resolve it. If we need to meet at a later date or review it further,

	please return the assignment to me. *If you leave the classroom with your graded assignment, the grade is final.*
Exams	This course will have two midterm exams and a comprehensive final exam. The dates for these exams are listed in the calendar below. Each exam will start promptly at the beginning of class. If you miss an exam due to personal negligence, you will be given a score of 0. If you need to reschedule an exam for some reason, please talk to me immediately. If you miss an exam for a valid reason, you must provide appropriate documentation in order to be considered for a make-up exam. If you need to reschedule the final exam for any reason, this must first be approved by the Dean of Students office; I am unable to reschedule without their approval. Please note that vacations, previously purchased plane tickets or reservations, graduations, social events, misreading the assessment schedule, and oversleeping are not viable reasons for rescheduling a final.
Right to Change Syllabus	The instructor reserves the right to make changes to the syllabus or assignment schedule (or any other course information) as necessary during the term. The student is responsible for any such changes.
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 other than me 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, or website), or bringing unauthorized materials to 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/. I encourage you to work together with others while attempting homework problems, however, your written solution should be in your own words.
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/.
Addendum	For the weeks of March 23 and March 30th the course will be online. During those weeks I will upload asynchronous video lectures and I will be available via Webex during your class period for any questions you may have. Your quizzes will still be on Thursday, during class time, but you will upload your quiz to HuskyCT. During these two weeks, participation will not be counted, however, we will make up appropriate time for participation once we are back in the classroom.

Math 2710 Calendar, Spring 2020

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	1/20	1/21 1.1/1.2	1/22	1/23 1.3/1.4	1/24
Week 2	1/27	1/28 1.4/1.5	1/29	1/30 1.5/1.6	1/31
Week 3	2/3	2/4 4.1	2/5	2/6 2.1/2.2	2/7
Week 4	2/10	2/11 2.5	2/12	2/13 2.5	2/14
Week 5	2/17	2/18 3.1	2/19	2/20 3.3	2/21
Week 6	2/24	2/25 3.4	2/26	2/27 **Midterm 1**	2/28
Week 7	3/2	3/3 4.2	3/4	3/5 4.3	3/6
Week 8	3/9	3/10 5.1/5.2	3/11	3/12 5.2/5.4	3/13
Week 10	3/23	3/24 6.1/6.2	3/25	3/26 6.3/6.4	3/27
Week 11	3/30	3/31 6.5	4/1	4/2 6.6	4/6
Week 12	4/6	4/7 13.2-13.4 Hammack	4/8	4/9 **Midterm 2**	4/10
Week 13	4/13	4/14 13.5/13.7 Hammack	4/15	4/16 13.8 Hammack	4/17
Week	4/20	4/21	4/22	4/23	4/24

		8.1/8.2		8.2/8.3	
Week 15	4/27	4/28 8.5/8.6	4/29	4/30 8.6/8.8	5/1