MATH 2360Q
Geometry

University of Connecticut

Fall 2020: Online

I General Information

Contact Information

Instructor: Dr. Alyssa Genschaw (feel free to call me Alyssa)

Email: alyssa.genschaw@uconn.edu

Office Hours: All of my office hours will be held online, in my Webex room.
Tuesday/Thursday 11 am - 12 pm, 2 pm - 3 pm and by appointment.

Prerequisites

MATH 1126Q or MATH 1131Q or MATH 1151Q or MATH 2142Q.

Course Description

Deductive reasoning and the axiomatic method, Euclidean geometry, parallelism, hyperbolic and other non-Euclidean geometries, geometric transformations.
We will build the results of classical geometry from its basic axioms. We will be asking *why* various theorems in geometry are true, and we will pay particular attention to the use of mathematical reasoning to help us understand the underlying theory.

Course Materials

All required course materials should be obtained before the first day of class.

Textbooks: The required course textbook is Foundations of Geometry, Gerard A. Venema, 2nd Edition, 2012.
ISBN: 9780136020585

The text is available through a local or online bookstore of your choice. The UConn Bookstore carries the required text, which can be shipped (fees apply).

Occassionally we will reference Euclid's Elements.

Technology: To participate in this course, you must have reliable internet access (to access all course material) and you must have access to a webcam (for web-based proctoring).

Communication with Students

Announcements and important course information will be sent out through HuskyCT. It is the student's responsibility to check for messages and announcements regularly.

II Grading

Final grades in the course will be computed via the following grading breakdown:

Graded Component	Weight
Homework	10%
Participation	15%
Exam 1	25%
Exam 2	25%
Final Exam	25%

A	[93, 100]	**B**	[83, 87)	**C**	[73, 77)	**D**	[63, 67)
A-	[90, 93)	**B-**	[80, 83)	**C-**	[70, 73)	**D-**	[60, 63)
B+	[87, 90)	**C+**	[77, 80)	**D+**	[67, 70)	**F**	< 60

I will make every effort to provide feedback and grades within 72 hours. To keep track of your performance in the course, refer to My Grades in HuskyCT.

Any questions on a graded assessment must be addressed within one week after the assessment has been returned.

Participation

Every Thursday a worksheet will be posted on HuskyCT. During the last 30 minutes of our class time, you will meet your group members on BlackBoard Collaborate (in our HuskyCT page) and discuss the questions with the other members of your group.

Each week, you should pick a group leader. Each student should serve as group leader at least twice throughout the semester. Each member of the group must contribute to the completion of the assignment. By the end of class, the group leader is responsible for emailing me the worksheet. It is the group leaders responsibility to record if someone did not show up or did not contribute anything.

Just to be clear, you should be submitting one worksheet per group.

It may happen that your group doesn't finish the worksheet. That is okay, as long as you were diligently working through the problems.

Homework

There will be weekly homework assignments, due on Fridays at 11:59 PM EST. The assignment will be graded on completion (50%) and correctness (50%).

The homework assignments will be posted on HuskyCT, at least two weeks before they are due. The due date will be clearly posted on the assignment.

You are encouraged to work with other students in the class on the assignments, but your solution should be in your own words. Assignments that are identical to a classmates solution will result in a 0 on the assessment. If you find something helpful on the internet that helped you solve the problem, you must clearly cite the source. Failure to do so will result in a 0 on the assignment and a referral to the disciplinary board.

Exams

There are two exams and a *cumulative* final exam. The exams will be given during the class time listed on Student Admin. The tentative dates of these assessments can be seen below:

- Exam 1: October 8th
- Exam 2: November 5th
- Final Exam: TBD (during finals week)

This course requires the use of **LockDown Browser and a webcam** for exams. The webcam can be the type that's built into your computer or one that plugs in with a USB cable. Instructions for using Lockdown Browser are posted on the HuskyCT site.

You will be required to show your surroundings to ensure you are not using any unapproved resources. Failure to slowly show that your environment is clear of prohibited resources will result in a 0 on the assessment.

You must also keep your hands clearly visible throughout the exam. Failure to do so will result in a 0.

The format of the exams will be short-answer questions, where partial credit will be given.

Any academic integrity violation will result in failure of the course and a referral to the disciplinary board.

Once the exam is completed, you will submit your exam as a single PDF. It is your responsibility to make sure that each question is included in that PDF and that I obtain the exam by its due date.

Video Lectures

I will upload asynchronous video lectures. It will be your responsibility to watch the videos and ask any questions you may have, either via email or during office hours. I will do my best to have the videos for the upcoming week uploaded by Sunday. When possible, the videos will be posted earlier.

III Course Policies

Make-Up/Late Policy

There will be no make-ups and no extensions for any form of assessment (exams, homework, etc.). Only extreme situations with an officially documented excuse will allow you to make up an assignment.

Deadlines are based on Eastern Standard Time; if you are in a different time zone, please adjust your submittal times accordingly.

Missed Exam Policy

If there is an approved reason for you to not take an exam at its designated time, you must notify the instructor in advance to make arrangements.

Students who are unable to take an exam due to an emergency situation should notify their instructor via e-mail as soon as possible, before the start of the exam. Arrangements for a make-up test will be considered on a case by case basis. Make-up exams will be administered only at the discretion of the instructor. If a student is allowed to make up a missed exam, (s)he must take it at a mutually arranged time. No further opportunities will be extended. Failure to contact the instructor will result in a grade of zero on the exam.

Academic Integrity

All students shall act in accordance with the Student Code at the University of Connecticut, which states that: "Academic misconduct is dishonest or unethical academic behavior that includes, but is not limited to, misrepresenting mastery in an academic area (e.g., cheating), failing to properly credit information, research, or ideas to their rightful originators or representing such information, research, or ideas as your own (e.g., plagiarism)."

Consequences of academic misconduct include, but are not limited to, a zero on the assignment or exam and/or a grade of F in the course. If you are unsure that what you are doing to complete the work of this course is acceptable, contact the instructor for helpful tips and advice on how to protect your work and ensure that you are not violating the academic integrity policies of the instructor, the course, or the university.

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/.

Changes to the Course Syllabus

The information contained in the course syllabus, other than the required course materials, may be subject to change. The most up-to date syllabus is located within the course in HuskyCT.

IV Online Technical Requirements

Software Requirements

The software/technical requirements for this course include:

- HuskyCT/Blackboard (HuskyCT Accessibility Statement, HuskyCT Privacy Policy)
- WebAssign (Cengage Accessibility Statement, Cengage Privacy Policy)
- Adobe Acrobat Reader (Adobe Reader Accessibility Statement, Adobe Reader Privacy Policy)
- Dedicated access to high-speed internet with a minimum speed of 1.5 Mbps (4 Mbps or higher is recommended).

Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Scan assignments as a single PDF.
- Work within two or more browser windows simultaneously.
- Open and access PDF files and videos.

Technical Help

Technical and Academic Help provides a guide to technical and academic assistance.

This course is completely facilitated online using the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, you have access to the in person/live person support options available during regular business hours through the Help Center. You also have 24x7 Course Support including access to live chat, phone, and support documents.