Math 2360 Geometry Fall 2017 Section 001 Syllabus

1 Contact

Instructor: Linda Brown Westrick
Office: MONT 312
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Office hours (subject to change): Mondays 12:30-1:30, Thursdays 11-12, and by appointment.
(last updated 9/6/17)

2 Course objectives

Textbook: Foundations of Geometry, by Gerard A. Venema, 2nd edition

The goal of the course is to explore the historically and philosophically important subject of geometry from an axiomatic point of view. We will discuss what it means to be a geometry, using both familiar examples such as Euclidean geometry, as well as a variety of other examples which are related by virtue of satisfying many of the same basic properties. The most important of these is hyperbolic geometry, which is the basis of many of the beautiful geometric artworks of Escher. We will cover the modern framework of axiom, theorem and proof; writing proofs is a major part of the class.

3 Organization and Grading

Time: Tuesdays and Thursdays 9:30-10:45
Location: OAK 235.
Website: `www.math.uconn.edu/~westrick/math2360f17/`

Homework is posted each Tuesday and due the following Tuesday, except when there is a midterm. It is graded on a combination of completion and a random selection of closer grading. Collaboration is permitted, but your write-up must be done on your own. No late homework is accepted; to account for emergencies, the lowest 2 homeworks are dropped. If you are encountering a problem (such as a long illness) that would cause more than 2 homeworks to be affected, see me.

Midterms are Tuesday Sept. 26 and Tuesday Oct. 31

Grading scheme:
20% Homework, 25% each midterm, 30% final
The lowest midterm is replaced by the final exam grade if the final grade is better.

4 Resources

The **Q center** (`http://qcenter.uconn.edu`) offers free tutoring.
The **Dean of Students** (`http://dos.uconn.edu`) can advocate for you and give pointers to further support when an outside circumstance is interfering with your academics.
The **Center for Students with Disabilities** (`http://csd.uconn.edu`) determines the accomodations which a student with a documented disability is entitled to, please see them right at the start of the semester if this applies to you.

5 Academic Integrity

Your work must be your own. Copying work (which by the way, is still copying if you just change the wording around) from another student or any other resource is a violation of academic integrity and will be dealt with as such.