
We will also be using Euclid’s Elements which can be found online or purchased in various forms.

Grading: There will be in-class exams, one cumulative final exam, quizzes, graded homework, presentations and other assignments.

- 2-3 In-class exams (probably 2) – 35%
- HW assignments/Quizzes/Presentations – 45 %
- Final Exam – 20%

Roughly, grade cutoffs are given below (in percentages):

- **A:** 93, **A-:** 90, **B+:** 87, **B:** 83, **B-:** 80, **C+:** 77, **C:** 70, **D:** 60

Office Hours: MWF 9:00AM, or by appointment.

Dishonesty: Academic dishonesty will result in a failing grade for the course. Students are encouraged to work together, but the mere copying of another’s work is considered dishonest (c.f. http://www.pserie.psu.edu/faculty/academics/integrity.htm)

Comments: This is a mathematics course, not an education course. The focus is to learn geometrical concepts at a level higher than at the high school level. We will do some Euclidean Geometry, but the bulk of the semester will focus on non-Euclidean geometries. Although this course has its applications (theory of relativity and theoretical physics, as well as navigation on a sphere), this is a PURE math course. The intent of the course is not to teach you some set of facts, but to use the material to exercise your ability to reason, argue, conjecture and communicate in the language of mathematics. This course involves proofs, so you should be comfortable with various methods of proof, including proof by contradiction and induction. Therefore, MTHBD 315W or equivalent is required. I enjoy helping students, so if you get stuck, stop my office by or email me ASAP.