Prerequisite: MATH SI1220 and either passing a placement exam or MATH 1020.


An Excellent Book on the Art of Mathematical Writing: Mathematical Writing by Knuth, Larrabee and Roberts, The Mathematical Association of America, ISBN 088385063X.


Class Meetings: TR 11:30-12:45, B4, Room 509.

Instructor and Office Hours: Dr. Afshin Ghoreishi, B4 Rm. 505A, http://faculty.weber.edu/aghoreishi/, M 11:00-11:50, T 8:30-9:50, 12:50-1:30, W 9:00-9:50 and R 10:00-11:20. At other times, you can see me whenever I am in my office and not busy. You can also see me by making an appointment.

Course Coverage: We will cover parts of the chapters 1-14.

Procedures: In this course it is assumed that you are familiar with the Euclidean geometry. We will emphasize axiomatic development of geometry, non-Euclidean geometry, and proof and rigor. Our textbook is very well written and you will be assigned to read parts of the book on your own.

I will try to answer a few questions at the beginning of each class, but this time will be limited. We will have weekly homework, two exams and a comprehensive final exam. Do not enter the class late & do not come to class if you have to leave early. Turn off pagers, cell phones and other such disruptive devices.

Homework: I will assign some homework problems from the text and may also give some additional problems. Homework will be due Thursday in the gray plastic holder on my office door.

Do not just turn in any solution in the hopes of getting partial credit. At this stage, I expect you to be able to differentiate between good and bad work. Read your solution after completion and improve it as needed!

Do not solve problems side-by-side, write only on one side of each page and staple your homework. Write your name on the top center position of front page and number your pages as, for example; 1/7, 2/7, ..., 7/7 (if there are a total of 7 pages), on the top right hand corner of each page. No late homework will be accepted.