

Math 300 A and B

Instructor

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Text

We will follow “Mathematical Reasoning Writing and Proof “ Version 2.1 by Ted Sundstrom. You can find a link to a free downloadable .pdf version of the textbook on the class web page.

Topics

In this class you will learn some basic facts concerning sets, functions, natural numbers and congruences, but the focus will be not so much on the facts themselves and their applications, but on definitions and proofs.

Homework

Homework assignments will be posted on the web page. Late homework will not be accepted, but I will drop your worst HW score. A number of problems from each homework assignment will be graded, and papers will be returned to the students. I expect the homework to take some time and effort; therefore you are strongly encouraged to start your homework early. Struggling with a problem is perfectly normal; being able to follow someone else’s reasoning on a problem is not the same as solving it yourself; you learn a lot more by solving the problem yourself, although you can also benefit from hearing other students ideas. You must first try to solve a problem on your own, then, if you like, you can discuss it with your classmates, or ask for help. Each student is required to write up and submit his own work. Your grade in the homework, as well as the exams, will be based on the correctness, but also on the clarity and neatness of your solutions.

Exams

There will be one in class midterm, and a cumulative final exam. Please bring a photo ID to the exams. No makeup exams are given. In case you miss an exam because of a documented illness or extreme, unexpected circumstances, please contact me as soon as feasible. The dates for the exams are on the web page, please check the link “Exam dates and information”.

Grading

I will use approximately the following weights, but I may make some changes during the quarter:

Homework	20%
Midterm	40%
Final	40%

Web Page

<http://www.math.washington.edu/~ep2/classes/300/300.html>

