

Homework Guide

Math 601 Spring 2024

Structure and Schedule

There will be a homework assignment assigned every Wednesday that will be due the following Wednesday in class (unless otherwise specified). You should complete or attempt the bulk of the assignment by Monday, so we can discuss any issues that arise before Wednesday (either in office hours or in class if time permits).

The assignment will consist of three types of problems: exercises marked with *, exercises marked with **, and unmarked exercises.

- **You will write-up and turn in solutions to the problems marked with * and **.**
- Most of the problems on the exams will be either directly lifted from the homework or be closely based on a homework problem. **So, you should work through all the problems in ordered to be prepared for exams.**

Expectations

You may discuss homework problems with your peers (or me), but the work you turn in must be entirely your own. There is a big difference between discussing and working on a problem with someone and writing the same exact solution. I should never see identical work. In the case your work is too close to a peer's work or a solution on the internet, I will ask you to come to my office to give an oral presentation.

A portion of the problems will be computational in nature, but most of the exercises will require a formal proof. **Proofs should be written in a clear logical fashion with complete sentences.** Standard logical symbols are permitted, but they cannot entirely replace the written word. You should use my style as a guide. *Do not turn in first drafts.*

Grading

For each assignment, I will grade a single problem marked * and a single problem marked **; if an assignment does not have a problem marked **, I will grade two problems marked *. In either case, you will not be told ahead of time which problems I will grade. Each graded problem will be graded out of 4 points using the rubric below.

Point Value	Letter Grade Equivalent	Qualifier
4	A	Complete, correct, and easy-to-follow solution (usually a complete proof is required). May contain a minor error.
3	B	Viable strategy present and understanding of problem is clear, but execution is incomplete; or correct argument present, but significant writing issue in presentation.
2	C	Attempt shows an understanding of problem and understanding of material but has not presented enough of a viable argument.
1	D	No viable argument, but some indication of a serious attempt. Possibly providing an example exhibiting understanding of the problem.
0	F	No serious attempt presented or a severe lack of understanding of the problem.