

The AMath 331/ PMath 331 final exam.

When:

Tuesday December 13, 7:30–10:00. Arrive 10 minutes early to get set up.

Where:

If you are enrolled in AMATH 331, go to room MC 4059.

If you are enrolled in PMATH 331, go to room MC 4061.

Spread out so that no-one is sitting right beside you. The exam is the same in both rooms. This is just a method to split the class properly.

What is covered on the exam?

- About 20% of the test will be on the first part of the course (assignments 1–3) which was tested on the midterm, and the rest will be on the second half (assignments 4–7) which includes Limits of Functions, and all of the applications topics.
- You should know all the definitions and how to use them.
- You should know the statements of all theorems that have names.
- You should know the proofs of the following theorems:
 - (1) The Bolzano-Weierstrass Theorem.
 - (2) The Weierstrass M-test.
 - (3) The Contraction Mapping Principle.
 - (4) The Maximum Principle for harmonic functions.
- You should be able to do problems like the homework exercises. Especially for the applications topics, this is an excellent guide to the type of problems you will see on the exam.