

### Information and Suggestions for the Final Exam

**General Comments:** The exam covers the whole course, but the material after the second exam (sequences and cardinality) will get a little bit of extra weight, proportionally.

Remember, the exam will be:

**Thursday, December 18, 9am to noon, Seeley Mudd 205**

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**“Cheat Sheet”:** As on the two midterm exams, you may bring one standard (8.5x11”) sheet of notes to the exam. Same rules as for the midterms: you may use both sides of the piece of paper, but you must **HAND-WRITE** your own cheat sheet directly on paper. No printouts.

Writing things out is a good study technique, and it helps burn things into your brain. So spend time carefully making a cheat sheet; it will be time well spent.

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#### A Possible Study Plan — adjust as needed to fit your other studies

**Monday, December 8 and Tuesday, December 9:** Finish HW 20 (on section 6.3). Get it submitted on time.

**Wednesday, December 10:** Review material from Midterm Exam 1 (that is, through Section 2.2). Do some problems from Practice Problems 1, and check your answers.

**Thursday, December 11:** Do more problems from Practice Problems 1, and check your answers. Make notes for your final exam cheat sheet on these concepts.

**Friday, December 12:** Re-take Midterm Exam 1 for practice, under test conditions (closed book, 50 minutes). Afterwards, check your answers.

At lunchtime, take a study break to visit the:

Math Department Cake Party (Friday, Dec 12, 12:30–2pm, Powerhouse)
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Start reviewing material from Midterm Exam 2: Sections 3.1 and 3.3.

**Saturday, December 13:** Continue reviewing material from Midterm Exam 2: Sections 6.1 and 6.2. Do some problems from Practice Problems 2, and check your answers.

**Sunday, December 14:** Review Sections 8.1, 8.3, and 8.4. Do more problems from Practice Problems 2, and start Practice Problems 3; check your answers. Make notes for your final exam cheat sheet on these concepts.

**Monday, December 15:** Re-take Midterm Exam 2 for practice, under test conditions (closed book, 50 minutes). Afterwards, check your answers. Review Sections 6.3 and 6.4. Do more problems from Practice Problems 3, and check your answers. Make notes for your final exam cheat sheet on these concepts. Visit office hours if you run into any confusions or have any questions.

**Tuesday, December 16:** Skim back over everything from earlier in the course. Finish Practice Problems 3, and check your answers. Assemble a complete first draft of your cheat sheet. Visit office hours if you run into any confusions or have any questions.

**Wednesday, December 17:** Take Midterms 1 and 2 again in a single sitting, under test conditions, with a little extra time (closed book, 110 minutes). Finalize and rewrite your cheat sheet. Spend time reviewing the concepts, proof methods, and problems that gave you the most trouble. Visit office hours if you run into any confusions or have any questions.

**Thursday, December 18:** Plan ahead to be awake and out of your dorm room (and out of Val, even taking into account a potential line to bus your dishes) appropriately early so that you can be in **Seeley Mudd 205** and **FULLY SETTLED** by 8:55am.

That is, have writing implements, water, last-minute bathroom run, etc. all taken care of **BEFORE 8:55am**.

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Course Webpage: <https://rlbenedetto.people.amherst.edu/math220/>

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**Seeley Mudd 205**