Real Analysis I
Review for Final Exam

The final exam covers all the material learned in class so far. You can refer to the review sheets for the first two exams for the material in chapters 1, 2, 3, and 4.1 up through 4.5. The material we've covered since then is in sections 4.6, 5.2, 6.1, 6.2, 6.3, 6.5 , and 6.6. There was only one assignment on this material, Assignment 7.

The material from chapter 7 that we discussed on the last day of class will not appear on the final exam.

Especially in chapter 6, I took a somewhat different approach to the material in these sections than the one on the text. I was steering a course between the approach of this text and that of Wheeden and Zygmund's text. The differences aren't very significant, though, and it's beneficial to compare the textbook and my notes to see the similarities and differences.

For the exam, you won't need to know material from the text that is listed below as not covered.

4.6. The only part of this section we've covered is Proposition 23.

5.2. We covered the material in this section from the beginning through Theorem 4. We didn't cover Corollary 5.

6.1. We did cover this section, but not until we were discussing convex functions (see section 6.5).

6.2, 6.3. We covered these sections in their entirety.

6.4. From this section we only covered from the beginning through Proposition 7.

6.5. We covered this entire section.

6.6. We covered this entire section (and a bit more).