MATH 6338 SYLLABUS
SPRING 2017

Course Number: Math 6338 A
Course Name: Real Analysis II
Lecture Time: MW 3:05-4:25 p.m.
Lecture Room: Skiles 256
Instructor: Dr. Christopher Heil
Office: Skiles 218D
Office Phone: 404-894-9231
Email Address: heil@math.gatech.edu
Office Hours: MW 4:30-5:30 p.m. (and by appointment)
Course Web Page: T-Square
Prerequisites: Math 6337 (Real Analysis I)
Lecture Notes: Posted on T-Square.
Comparison Texts: Folland, Real Analysis, 2nd Ed.
Conway, A Course in Functional Analysis, 2nd Ed.

Academic Dishonesty. All students are expected to comply with the Georgia Tech Honor Code. Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. The institute honor code is available at

http://www.honor.gatech.edu
Grading. We will have 6 homework assignments and one final exam, scored as follows.

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<td>6 Homeworks</td>
<td>25 points each</td>
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<tr>
<td>Final Exam</td>
<td>50 points</td>
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<td>TOTAL</td>
<td>200 points</td>
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Letter grades will be based on your accumulated points at the end of the semester, according to standard 90%, 80%, 70%, 60% cutoffs (although I may adjust the cutoffs downward at the end of the semester, depending on class distribution):

- 180–200 A
- 160–179 B
- 140–159 C
- 120–134 D
- 0–119 F

At the end of the course, I’ll evaluate the class distribution and decide if a curve is needed. I’ll only curve down from the above cutoffs, not up.

Homework. Homework assignments will be posted on T-Square. A subset of the problems will be selected for grading. Homeworks will normally be due every other Wednesday. LATE HOMEWORKS WILL NOT BE ACCEPTED.

Homeworks should be written on the front side of the page only, and must be stapled. Homeworks must be written in clear, complete sentences. You will not receive credit if the grader does not understand your writing.

I encourage you to type your homeworks using TeX or another mathematical typesetting system. I can provide sample TeX files that you can use as templates.

You are allowed (and encouraged) to work together with other students on the homework, as long as you each INDEPENDENTLY WRITE UP YOUR OWN SOLUTIONS. You are also allowed (and encouraged) to ask me questions, although you should try to think about the problems before asking. I strongly encourage you to work extra problems from the book on your own.

Exams. The final is comprehensive.