

MATH 7337 SYLLABUS

FALL 2009

- Course Number: Math 7338 A
- Course Name: Functional Analysis
- Lecture Time: TuTh 12:05-1:25 p.m.
- Lecture Room: Skiles 169
- Instructor: Dr. Christopher Heil
Office: Skiles 109
Office Phone: 404-894-9231
Email Address: heil@math.gatech.edu
Office Hours: TBA.
- Course Web Page: <http://www.math.gatech.edu/~heil>
- Prerequisite: Math 6337 (Real Analysis I) or Math 6338 (Real Analysis II)
- Text: Web notes and Rudin, Functional Analysis, 2nd Ed.
- Material: A. Banach Spaces and Topology
C. Operator Theory
D. Radon Measures and the Dual of C_0
E + Chapter 1. Topological Vector Spaces
Chapter 2,3. Convexity and Completeness
Distributions
Banach Algebras
Additional Topics

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.deanofstudents.gatech.edu/integrity/>

Grading. We will have 5 homework assignments due approximately every other week and worth 50 points each, and a (take-home) final exam, also worth 50 points.

Homeworks should be written on the front side of the page only, and must be stapled. Late homeworks will not be accepted.