

UNIVERSITY OF CALIFORNIA-BERKELEY
DEPARTMENT OF MATHEMATICS
Math 104, Fall 2013

Lectures.

Time MWF 11:10 - 12:00
Place 220 Wheeler Hall

Instructor.

Name Olga Holtz
Office 821 Evans Hall
Telephone 642-2122
Email holtz@math.berkeley.edu
Office hours F 4:00 - 6:00pm and by appt.

Goals of the course. The course is meant to serve as a rigorous introduction to real analysis.

Approximate content of the course. The real and complex number systems. Countable and uncountable sets. Metric spaces. Compactness. Connectedness. Numerical sequences and series. Continuity. Differentiation. The Riemann-Stieltjes integral. Sequences and series of functions.

Books. PRINCIPLES OF MATHEMATICAL ANALYSIS by Walter Rudin, REAL MATHEMATICAL ANALYSIS by Charles Pugh.

Homework and grading. Homework will be assigned about once a week, due the following week. The final grade will be based on homework (30%), midterm (30%) and a final (40%).

Class email. I welcome communication by email and intend to send homework-related email to the class.

Class website. <http://www.cs.berkeley.edu/~oholtz/104>