

## MATH 4153-001/5053-001, SPRING 2013, SYLLABUS

FACULTY: WEIPING LI  
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### 1. BASIC COURSE INFORMATION

**Prerequisites:** Math 4143/5043 (Advance Calculus I).

**Textbooks:** *Principles of Mathematical Analysis* by Walter Rudin, 3rd Edition.

**Content:** Chapter 7–10 of the text with some supplementary materials. This will be a rigorous treatment of the sequences and series of functions, special functions and functions of several variables, integration of differential forms.

**Class Time:** MWF 10:30am - 11:20am Start on Monday January 7, 2013.

**Class Room:** MSCS 509.

**Office Hours:** MWF 1:30pm - 2:20pm. Highly recommended to take full and consistent advantage on my office hours.

### 2. EXAMS, HOMEWORK AND GRADE

Your grades will be determined by the scores on two fifty-minute tests (each worth 100 pts), Homework is worth 200pts and the final exam is worth 100pts.

**A** as 450-500; **B** as 400-449; **C** as 350-399; **D** as 300-349; **F** as 0-299.

**Exam 1: February 15, 2013**

**Exam 2: March 15, 2013**

**FINAL EXAM: Monday April 29, 2013, 10:00am - 11:50am at MSCS 509.**

### 3. HOMEWORK

Homework assignments will be updated in D2L and due date will be announced in D2L as well.

(1) HW 1 (Chapter 7): Page 165, 1, 3, 4, 6, 7.

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