MATH510(A) Real Analysis (Spring, 2017)

Text: Real Analysis (4th ed.), by Royden and Fitzpatrick

Instructor: Dr. Ron Yang, Time: Lecture 1:15-2:35pm (TuThr), ES 153

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Office Hours: 9–10 am (TuThr) or by appointment at ES 319(C)

Course objectives: In this course we study Lebesgue measure and Lebesgue integration. We will cover Part I of the textbook and a few selected sections from Part II. Students are required to remember most theorems, as well as their proofs. Proving theorems and constructing examples will be an important part of training.

Homework: Homework is assigned at each class and will be collected for grading. Only a randomly selected set of problems will be graded.

Test: There is a midterm exam and a final exam. Dates will be scheduled later.

Percentage: HW 30%, midterm exam 30%, final exam 40%.

Grading: A: 90-100, B:70-89, C:0-69.

Classroom manners: Arrive before class starts, leave after class. Attendance will be checked from time to time and will affect grade. Turn off cell phone during class. Special cases need permission from professor. Cheating on HW or exams is strictly forbidden. Please read academic integrity regulations at http://www.albany.edu/undergraduate_bulletin/regulations.html.