Mathematics 5211/4211: Measure Theory

Fall 2010

Instructor: Dr. Yin Chen, RB 2017, 343-8608
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Course webpage: http://flash.lakeheadu.ca/~ychen/math5211.html

Lectures: Tuesday and Thursday
         14:30 – 16:00 RC 1003

Office Hours: Monday, Wednesday and Friday 13:30 – 14:25

Text: The Elements of Integration and Lebesgue Measure
     by Robert Bartle

Course Content: In this course, we will define the measurable sets and measurable functions. we will introduce Lebesgue integral and some of its properties. We will study a special normed linear space L_p.

Assignments: There will be 5 assignments, each of which will be given out in class and be posted on the course webpage.

Midterm Exam: The midterm exam will be written in class (RC 1003) on Thursday, November 4, 2010.

Course Grade: Assignments 30%

         Midterm 20%

         Final Exam 50%