MATH312(Z) Basic Analysis(Spring, 2017)

Text: Analysis with an introduction to proof, by Steven R. Lay (5e)

Instructor: Ron Yang, Time: Lecture 10:15-11:35am (TuThr), ES143
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Office Hours: TuTh 9–10am or by appointment at ES 319(C)

Course objectives: This course is a deeper study of some fundamental elements in Calculus such as Real Numbers, Continuity, Differentiation and Integration. 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 may be collected occasionally for extra credit.

Quiz: There is a 30-minute quiz on each Tuesday’s class. Quiz problems are selected from the homework, with possible minor modifications.

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

Percentage: quiz 40%, midterm exam 20%, final exam 40%.


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 quizzes or exams is strictly forbidden. Please read academic integrity regulations at http://www.albany.edu/undergraduate_bulletin/regulations.html.