Math 4225 – Elementary Real Analysis  Fall 2015

Instructor:  John Rossi
Office:  MWTh: 1:30-2:30, F: 9:15-10:00 or by appt.
Time:  MWF 10:10-11:00
Room:  Pat 305
Book:  Principles of Mathematical Analysis – Walter Rudin

Homework:

Due Date:  Homework will be collected approximately once per week with clear
due dates. No late papers will be accepted.

Honor Code:  You may discuss problems with others in the class but the final
work must be your own.

Format:  Typed homework using Latex or Math Type is appreciated.
If hand written, work must be neat and legible and you must skip
a line between each written line so I can add comments.

Value:  Your homework will be worth 35% of your grade.

Exams:

In-class:  Three in class exams will be given during the semester. Each exam
will be worth 15% of your final grade. The dates will be announced
at least one week in advance.

Final:  A cumulative final exam will be worth 20% of your grade.

Grading:  A final score of 90% will guarantee an A-, 80 a B-, 70 a C-, and 60 a D-
Commentary:
The word “elementary” in the title of the course is not a commentary on the difficulty of this course but rather it is the traditional nomenclature that differentiates the topics of this course from a graduate level course in Real Analysis which involves Lebesgue measure and integration. In my opinion Math 4225 is the **most difficult undergraduate math course that we offer**. If you have never taken advanced calculus (Math 3224) or did poorly in that class or you have always had a difficult time with “proofs”, you may find another math class more appropriate. If you are just looking for a 4000 sequence to complete your math requirement, this is **not** the one. If you are thinking of going to graduate school in mathematics, having this course under your belt would be a big plus.