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## Modern Analysis (MAA 5229/4227)

Spring 2015: Section 3014, MWF 4th hour, Little Hall, room 205

Email: [mjury@ufl.edu](mailto:mjury@ufl.edu)

Office: Little Hall 484

Office Hours: TBA

### Description and Goals

The text for the course is

Principles of Mathematical Analysis, by Walter Rudin, McGraw-Hill 1976.

In this course we will cover most of chapters 7 and 10 of the text. Topics include sequences and series of functions, and the Lebesgue integral. We may cover some topics from Chapter 8 as time allows. For the material on the Lebesgue integral we will deviate somewhat from the treatment in Rudin and I will post lecture notes on this webpage.

### Schedule

#### This Week's Lectures

Wednesday, 7 January: First class, begin Chapter 7, through Definition 7.7

### Homework

Homework will be assigned and graded weekly; assignments will be posted below as the semester progresses.

