

Math 758, Spring 2015

Dr. Sarah Raynor

Textbook: Probability and Measure, fourth edition, by Patrick Billingsley, ISBN 9781118122372.

Office: Manchester 343

Office Hours: I will be normally be available every day starting at 2pm in my office.

Email: raynorsg@wfu.edu

Course Website: <http://www.wfu.edu/~raynorsg/math758.html>

Course: This course will be an introduction to measure-theoretic probability theory. We will introduce the basic concepts of measure theory and use them to deepen our understanding of probability. We will cover at least the first two chapters of the text and additional topics as time permits.

Assignments: There will be no graded homework in this course. However, I will suggest problems for you to work from every topic that we discuss, and I expect that you will attempt to complete them to the best of your ability. I will be available to discuss these problems outside of class, and I also encourage you to discuss them with your classmates. We will be discussing homework problems and lecture material as a group, so you should come to each class prepared to participate.

Evaluation: There are 3 components of your final grade:

1. There will be three take-home exams during the term, which are worth 20% of your grade each.
2. There will be a cumulative oral final exam, which will be worth 30% of your grade.
3. Your positive participation in the class will be worth 10% of your grade.

I have tentatively scheduled the take home exams for the weekends of February 14, March 28, and May 2. Please let me know immediately if these dates will be a problem for you.