

December 9, 2016

MATH 245B - Winter 2017

MWF 12:00 MS 6627, and Thursday 12:00 MS 6627.

Office hours:

John Garnett: MWF 2:00 in MS 7941

Jeffrey Lindquist TBA

Text: R. Wheeden and A. Zygmund *Measure and Integral, An Introduction to Real Analysis, Second Edition*, CRC Press ISBN 13-978-1-4987-0289-8. We will cover Chapters Section 7.7. and Chapters 8 -11.

Grade: Homework 40%, final 40%, midterm 20%.

Exams: Final Thursday March 23, 8:00 - 11:00. Midterm to be determined. No books, class notes or phones on either exam, but you may bring a 4 x 6 file card with notes written on both sides.

Homework: Assigned weekly and due at the beginning of the TA section. You may work together on the homework problems, and you are encouraged to do so, but you must write up your solutions yourself without copying. Extra credit will be given for homework in printed format, like pdf. You must present at least one homework problem at the blackboard in quiz section. There will be 7 - 8 homework sets, including some very challenging problems.

Homework 1: Due January 19. Read Section 7.6. Chapter 7; Problems 12, 14, 15, 21, 24, 29, 30, 31. Chapter 8; Problems 2, 4, 6, 8.

Homework 2: Due January 26. Chapter 8, Problems 5, 10, 11, 12, 13, 15, 16, 17, 18, 20, 21.

Homework 3: Due February 9. Chapter 8, Problems 6, 8, 24, 29, 30, 31, 32. Chapter 9, Problems 3, 4, 6, 8, 10.