

## Math 498: Homework 1

Please complete the following exercises below and write up your solutions consistent with the directions in the syllabus. Your solutions are due on Tuesday, February 20th at 10:00AM in the appropriate box outside my office door. If you get stuck on any part of the homework, please come and see me. More importantly, have fun!

**Exercise 1.** Please do Exercise 1.2 of Durrett.

**Exercise 2.** Please do Exercise 1.6 of Durrett.

**Exercise 3.** Please do Exercise 1.8 of Durrett.

**Exercise 4.** Please do Exercise 1.22 of Durrett.