INFORMATION

Course: Math 320.

Instructor: Alexandru Ionescu, Office 705, aionescu@math.princeton.edu.

Grader: Daniel Stern, Office 408, dls6@math.princeton.edu.

Lectures: Tu–Th 11:00–12:20 in Room Fine 110.

Office hours: Alexandru Ionescu in Room 705 on Wednesday 10:00–11:00.

Textbook: Real analysis (fourth edition) by H. L. Royden and P. M. Fitzpatrick.

Main Topics: Lebesgue measure and integration, differentiation, $L^p$ spaces, metric spaces.

Grading: Your course grade will be determined on the following components:

- 10 problem sets (20 points each)
- attendance (20 points)
- in-class midterm exam on October 25 (100 points)
- in-class final exam (150 points).

Problem Sets: Each problem set will be posted on my website approximately a week before it is due. Problem sets are to be handed in on the due date. You may work with other students on the problem sets, but you must write up your own solutions.

Late Homework Policy: Late problem sets will not be accepted. However, the lowest of your 10 problem set grades will not be counted.

Information: All the handouts will be posted on my website: https://web.math.princeton.edu/~aionescu/Math320.html.