Schedule for Week 1: February 7–11

Class Is Remote This Week
- You only need to attend (at least) twice this week, including the first day (Monday).
- To attend, use the zoom links found on the moodle site for Math 450.
- Class this week will be mostly Q+A, so come with questions about the homework or videos.
- Yes, that’s right: for this week only, watch the videos found on the moodle site.
- There are two homework assignments (0 and 1) due this week; see below.

Video Lectures (the main math content this week):
- Video 1: The Riemann Integral (33:16) by Monday
- Video 2: Lim, Sup, Inf, etc. (16:12) by Monday
- Video 3: Basics of $\mathbb{R}^n$ (18:51) by Tuesday
- Video 4: Open and Closed Sets in $\mathbb{R}^n$ (28:04) by Tuesday
- Video 5: More Topology on $\mathbb{R}^n$ (34:23) by Wednesday
- Video 6: Intervals in $\mathbb{R}^n$ (10:32) by Wednesday
- Video 7: Compact Sets (28:22) by Friday

Reading:
- Wheeden and Zygmund, Sections 1.1–1.4

Problem Sets:
- Homework 0 (on webpage only; submit on gradescope) due Tue, 2/8, 11:59pm
- Homework 1 (on webpage only; submit on gradescope) due Fri, 2/11, 11:59pm

Note:
- Homework 0 is just to get started on gradescope for Math 450, and to review the syllabus.
- Homework 1 is a real math problem set.
- You should start working on both immediately, and try to get them both done early.

Handouts to read:
- Course Syllabus
- Gradescope Instructions

Daily schedule:
- Monday 2/7 Read Section 1.1 and both handouts Watch Videos 1–2
- Tuesday 2/8 Read Section 1.2 Watch Videos 3–4 (HW 0 due)
- Wednesday 2/9 Read Section 1.3 up to page 6 Watch Videos 5–6
- by Friday 2/11 Read Sections 1.3, 1.4 Watch Video 7 (HW 1 due)

And of course, work on Homework 1 every day.

Main Course Webpage for Math 450:
https://rlbenedetto.people.amherst.edu/math450/