

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 280.
- 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: What is a Graph? (19:58) by Monday
- Video 2: Variants on Graphs (9:54) by Monday
- Video 3: Basic Terminology and Notation (20:39) by Monday
- Video 4: Degrees (18:32) by Tuesday
- Video 5: Walks, Paths, etc. (25:53) by Tuesday
- Video 6: Connectedness (37:10) by Wednesday
- Video 7: Two Sample Proofs (33:59) by Friday
- Video 8: Some Examples of Graphs (16:47) by Friday

Reading:

- Harris, Hirst, Mossinghoff, Sections 1.1.1–1.1.3, up to page 14

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 280, 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 1.1.1 and both handouts Watch Videos 1–3
- Tuesday 2/8 Read Section 1.1.2, pages 5–7 Watch Videos 4–5 (HW 0 due)
- Wednesday 2/9 Read Section 1.1.2, pages 7–9 Watch Video 6
- by Friday 2/11 Read Section 1.1.3, pages 10–14 Watch Videos 7–8 (HW 1 due)

And of course, work on Homework 1 **every day**.

Main Course Webpage for Math 280:

<https://rlbenedetto.people.amherst.edu/math280/>