Math 34A: Calculus for the Social Sciences

Fall 2020

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Office Hours: T-W-Th, 10-11 am PST, in my Zoom room:
https://ucsb.zoom.us/my/nadirh

Course Textbook: *Calculus and Mathematical Reasoning for Social and Life Sciences* by Daryl Cooper.

Course Logistics:

- Gauchospace will be the main place to go for course related things. If you're not sure where to find something, check the Gauchospace first.
- I created a channel for our class on Nectir. You can join the channel by clicking the link in Gauchospace. This will be a good place to ask questions in an informal setting.
- We will be using prerecorded lectures. There will be about three lectures a week (usually posted on M/W/F), with the exception of weeks when we have an exam. See below for details on exams/exam weeks.
- I will hold office hours in my Zoom room (link above, also available on Gauchospace).
- You will be assigned a "pod". (*This will be a group of 8-9 students.*) You and your pod should meet with a TA each week on Zoom.
- There will be three homework assignments each week, to be completed on Webwork. The assignments will be released on M/W/F, with each new lecture. You should try to finish each assignemnt before the next one appears. Webwork will accept solutions until midnight on the Monday (for all three assignments from the previous week). *You could, if you needed to, try to do the entire assignment over the weekend. However, I do not recommend doing this.*
- Exams will be submitted on Gradescope.

To enroll in the course page for Nectir/Webwork/Gradescope, access those sites via the link on Gauchospace - by using that link, you will automatically be enrolled in the correct page.

See Figure 1 if you're having trouble finding things.

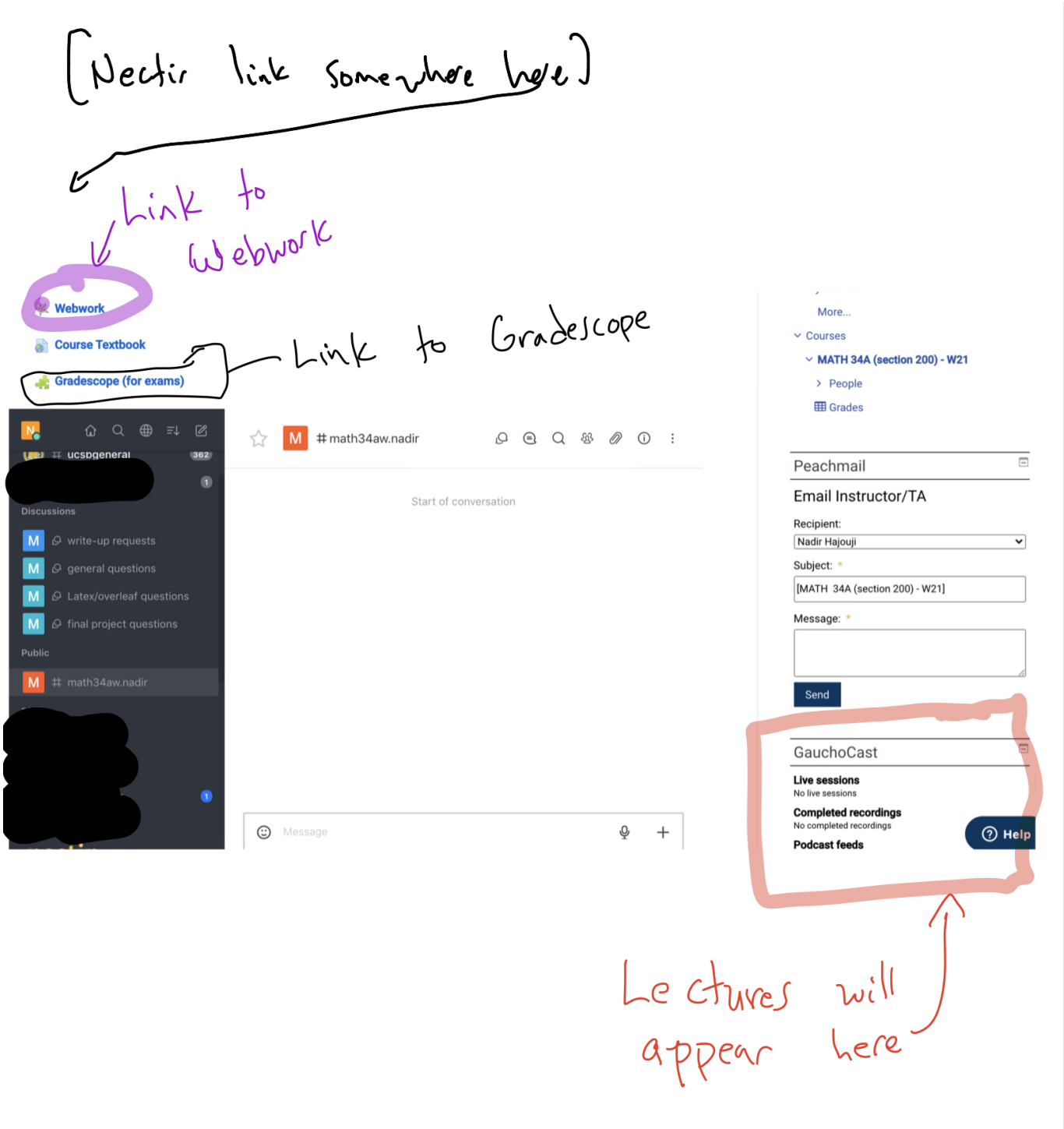

Figure 1: Screenshot of Gauchospace page

Content Overview:

- We will cover Ch.1,Ch.4, Ch.5 and Ch.6 during the first three weeks.
  - Lectures 1-3 will cover Ch. 1 material. This is the content of Week 1.
  - Lecture 4 will cover Ch. 4 material, lecture 5 will cover Ch. 5 material and lecture 6 will cover 6.1,6.2. This will happen during Week 2.
  - We wrap up Ch.6 with a lecture on 6.3, 6.4 at the beginning of Week 3. There will be a review session and a midterm this week.
- Next, we spend a few weeks discussing logarithms and exponentials.
  - There will be three lectures a week on Week 4 covering material from the first half of Ch. 7.
  - There will be three lectures on Week 5 covering material from the second half of Ch. 7.
  - On Week 6, there will be a review session and a midterm.
- Finally, we discuss derivatives.
  - We will cover 8.1-8.5 in week 7.
  - In week 8, we will have two lectures on 8.6 and a lecture on sections 8.7,8.8.
  - We start week 9 with a lecture on 8.10,8.11 and then we will have a review session and a midterm.
  - The last week, we wrap up Ch. 8 and review for the final.

Test Dates:

- Test 1 will be on Friday January 22, 2021 (Week 3). It will cover Ch.1-6.
- Test 2 will be on **Friday February 12, 2021 (Week 6)**. It will cover Ch. 1-7. *A previous version of the syllabus had the incorrect date.*
- Test 3 will be on Friday March 5, 2020 (Week 9). It will cover material from Ch. 1-8.
- The final exam will take place on Monday of finals week.

The exams will be posted on Gradescope. You will have an hour to complete each midterm, and three hours to complete the final exam. The exam can be taken at any time between 00:00 am on Friday to 11:59 pm on Friday - Gradescope will start a timer the minute you open the exam.

Grading Policy:

- Tests will count for 75% of the grade.
  - The three midterms each count for 15% each.
  - The final exam is worth 30%.
- Homework will count for 15% of the grade.
- The final 10% of the grade can be earned by attending meetings your pod has with a TA.