

**MATH 307, SPRING 2020**  
**SECTION 1**  
**SYLLABUS**

**Course Webpage.** [https://math.hawaii.edu/~yashabk/teaching/2021\\_1spring/lindiff/](https://math.hawaii.edu/~yashabk/teaching/2021_1spring/lindiff/).

**Course Staff.**

- Instructor: Yasha Berchenko-Kogan
  - [yashabk@math.hawaii.edu](mailto:yashabk@math.hawaii.edu)
- Grader: Samantha Pilgrim
  - [spilgrim@hawaii.edu](mailto:spilgrim@hawaii.edu)

**Classwork and Homework.**

- I'll be teaching this class in a “flipped classroom” framework; see [https://en.wikipedia.org/wiki/Flipped\\_classroom](https://en.wikipedia.org/wiki/Flipped_classroom) for more information.
- Some activities that you'd traditionally do during class you'll instead be doing outside of class, and vice versa.

**Learning the Material.**

- Read the textbook.
  - *Linear Algebra and Differential Equations*, by Peterson and Sochacki
  - This course covers chapters 1, 2, 5, and 6.
- Watch the lecture videos at <https://laulima.hawaii.edu/access/content/group/MAN.86612.202130/videoredirect.html>.
- You must do at least one of these and attempt some textbook example problems or homework problems before coming to class.

**Class Time.**

- We'll use this time to discuss questions or difficulties you have with the material.
- We'll also do problems together on topics you want more practice with.
- Come prepared. Read the book or watch the videos, and spend some time identifying what you're having trouble with. Trying the example problems or the homework problems can help identify the areas where more practice would help.

**Office Hours.**

- Office hours are essentially free tutoring.
- It's a good idea to go to office hours occasionally regardless of how you're doing in the course.
- My office hours are listed on the calendar on the course webpage. I am happy to meet at other times by request.

## Homework.

- You will turn in your homework using Gradescope.
- Late homework will be accepted at the grader's discretion. I will drop the lowest two homework scores.
- If there are issues with the grading of the homework, please contact the grader. Contact the instructor if you are unable to resolve the issue. Any issues must be brought up within a week from when the graded homework is returned to you.
- While homework counts as part of your grade, its main purpose is to improve your exam performance. For best results, find some classmates to work with, get help during office hours if you need it, but avoid using online resources. Get help from your classmates, but don't become dependent on them; you need to be able to do these types of problems on your own on the exams.
- To avoid accusations of plagiarism or cheating, list the people you worked with and any sources you used. Plagiarism will result in a zero for the entire homework component of your grade, not just the plagiarised assignment.

## Time Commitment.

- This is a three-credit course, so in accordance with federal regulations, this course is designed for students who spend a minimum of nine hours a week working on the material, counting class time.
- If you're spending that amount of time but not getting the results you'd like, come by office hours and we can troubleshoot. Different approaches work better for different people, and we can talk about what you might try to make the most out of the time you're spending on the course.

## Exams.

- Exams will be run according to the policies in [https://math.hawaii.edu/~yashabk/teaching/2021\\_1spring/lindiff/exampolicies.pdf](https://math.hawaii.edu/~yashabk/teaching/2021_1spring/lindiff/exampolicies.pdf). There will be
  - three midterm exams on February 5, March 5, and April 9, 2:30pm to 3:20pm, and
  - a final exam on May 10, 2:15pm to 4:15pm.
- There will also be a mandatory practice exam on January 29 to familiarize yourself with the exam procedures.
- Students requesting accommodations should contact Kokua. <https://hawaii.edu/kokua/access-services/exam-accommodations.php>.
- If there are issues with the grading of the exams, please contact the instructor. Any issues must be brought up within a week from when the graded exam is returned to you.

## Academic Integrity.

- Your work should be your own.
- Investigating cheating fairly is a time consuming process, so students caught cheating on a homework assignment will receive a zero for the entire homework component of the grade, and students caught cheating on an exam will receive an F for the course.
- In addition to course penalties, we'll submit cases of academic dishonesty to the Office of Judicial Affairs.
- See [http://studentaffairs.manoa.hawaii.edu/departments/judicial\\_affairs.php](http://studentaffairs.manoa.hawaii.edu/departments/judicial_affairs.php) and [http://studentaffairs.manoa.hawaii.edu/policies/conduct\\_code/](http://studentaffairs.manoa.hawaii.edu/policies/conduct_code/) for more information.

## Grading.

- I will combine grades with the following weights:
  - 20% homework,
  - 45% midterm exams (15% each),
  - 35% final exam.
- These weights may be adjusted if exams are rescheduled or cancelled.
- I will assign grades by taking the unrounded combined grade  $G$  and using the following scale:
  - A:  $90 \leq G$ .
  - A-:  $85 \leq G < 90$ .
  - B+:  $80 \leq G < 85$ .
  - B:  $75 \leq G < 80$ .
  - B-:  $70 \leq G < 75$ .
  - C+:  $65 \leq G < 70$ .
  - C:  $60 \leq G < 65$ .
  - C-:  $55 \leq G < 60$ .
  - D+:  $50 \leq G < 55$ .
  - D:  $45 \leq G < 50$ .
  - D-:  $40 \leq G < 45$ .
  - F:  $G < 40$ .
- I reserve the right to adjust these cutoffs in your favor.