# Math 126 End of Week 1 Newsletter

Every Friday, I will email the class and post a newsletter. These newsletters will contain a summary of the calendar, information about homework, links to review material and studying advice. The studying advice will include old exam problems to look at each week.

**UPCOMING ASSIGNMENTS**

- **Closing Sunday (April 4th):** Reading/Watching Quiz 1 – Graded on Canvas
  - https://canvas.uw.edu/courses/1373415/quizzes
  - One submission per problem, no time limit (but must be done by 11:59pm Sunday).
  - Open book, but do on your own and do not post anything about it on the discussion board.
  - We will have around 8-10 reading quizzes this quarter (I will drop your lowest score)
  - They will count for about 8% of your course grade (the other 2% in your participation grade will come from surveys and posting on discussion board).
- **Closing Tuesday (April 7th)**: 12.1, 12.2, and 12.3 on Webassign.
- **Closing Thursday (April 9th)**: 12.4(part 1), 12.4(p2), and 12.5 (p1) on Webassign.

**UPCOMING SCHEDULE**:

| | |
|---|---|
| Friday: | Section 12.4 (cross products and finding orthogonal vectors), intro to 12.5 (lines/planes) |
| Monday: | Section 12.5 (lines and planes) |
| Tuesday: | Ask homework/worksheet/old exam questions during your TA's quiz section time |
| Wednesday: | Section 12.5 (more lines and planes) and 12.6 (traces and 3D names) |
| Thursday: | Ask homework/worksheet/old exam questions during your TA's quiz section time |
| *Next* Friday: | Section 12.6 (3D names) and Intro to Chapter 13. |

**WORKSHEETS (**These are NOT graded, but good quick changes to check your thinking)

- *On Vectors (especially look at question 1)*
  2a: https://sites.math.washington.edu/~aloveles/Math126Spring2020/m126worksheet2.pdf
- *On Lines and Planes (especially look at question 1)*
  2b: https://sites.math.washington.edu/~aloveles/Math126Spring2020/m126worksheet3.pdf
- *Optional Supplement on "correctly" parameterizing a line* (if you are confused about the fact that there are infinitely many ways to parameterize a line, then read this!)
  2c: https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp14m126worksheet2.pdf

I will post worksheet answers online by Tuesday. You can ask questions about this during quiz section Tuesday or Thursday in addition to homework and old exam questions.

**NEW POSTINGS** There are several new postings on the course website, including:

*1. 12.1-12.4 Brief Review:https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp10m126week1review.pdf*
*2. 12.1 Review: https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp14m126review12-1.pdf*
*3. 12.2 Review: https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp14m126review12-2.pdf*
*4. 12.3 Review: https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp14m126review12-3.pdf*
*5. 12.4 Review: https://sites.math.washington.edu/~aloveles/Math126Spring2020/sp14m126review12-4.pdf*
*6. Visual Vector Description of Lines and Planes (examine these pictures before lecture next week):*
*https://sites.math.washington.edu/~aloveles/Math126Spring2020/Lines-Planes%20Visuals.pdf*

There are many more review materials on my website, please check them out!

Go to the next page for course advise on getting ready for exams…

**OLD EXAMS**: *It is vital that you spend some time at the end of each week reviewing the previous homework and practicing your homework stills on old exam problems*.

The departmental exam archive here: https://sites.math.washington.edu/~m126/midterms/midterm1.php
My exam archive: https://sites.math.washington.edu/~aloveles/Math126Spring2020/examarchive.html

*For practice with 12.1 and 12.2 material you might try:*
Problem 1a from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr12taggartExI.pdf
Problem 1a from: https://sites.math.washington.edu/~aloveles/Math126Spring2017/f13m126e1v1.pdf
Problem 1ab from: http://www.math.washington.edu/~m126/midterms/midterm1/m126aut12bekyelExI.pdf

*For practice with 12.3 and 12.4 material you might try:*
Problem 1b from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr12taggartExI.pdf
Problem 1c from: http://www.math.washington.edu/~m126/midterms/midterm1/m126aut12bekyelExI.pdf
Problem 2a from: https://sites.math.washington.edu/~aloveles/Math126Spring2017/sp14m126e1.pdf
Problem 1bc from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr10lovelessExI.pdf
Problem 1 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126aut09solomyakExI.pdf

Let me know if any of this helps. See the next page for some advice, extra comments, supplemental material and homework hints.

***SPECIAL NOTES AND ADVICE***

**ADVICE AND GETTING HELP:**
*How to get high grades in this course*
If you want to get a high grade in this course, then start by reading my recipe for success which is here:
https://sites.math.washington.edu/~aloveles/Math125Winter2018/Recipe%20for%20Success.pdf
The key is to treat every homework question like an exam problem!
*How to get help in this course*:
If you get stuck on homework or in studying for exams and you need help, then first start by reading this:
https://sites.math.washington.edu/~aloveles/Math125Winter2018/124-5-6%20Help.pdf
(When you read this, of course, change things about consulting tutors to going on the discussion board)

**SUPPLEMENTAL POSTINGS** (there are all free things I have created for students over the years)

*1. Physics and Vectors Supplement (read this for more background on some ways vectors appear in science):*
*https://sites.math.washington.edu/~aloveles/Math126Spring2020/AVerySmallBitOfPhysicsCh12-m126.pdf*

2. If you are having trouble with Math 124 concepts, look at my archive of review materials here (you will find practice and review sheets for limits and derivatives): sites.math.washington.edu/~aloveles/Math124Winter2017/index.html

3. If you are having trouble with Math 125 concepts, look at my archive of review materials here (you will find practice and review sheets for all the integral facts): sites.math.washington.edu/~aloveles/Math125Fall2019/index.html
Also remember your textbook contains sections on all these topics, so you can read your textbook for review.

4. Unit circle and trig facts: https://sites.math.washington.edu/~aloveles/Math126Spring2020/Trig%20Facts.pdf

5. Calculus Fact Sheet: https://sites.math.washington.edu/~aloveles/Math126Spring2020/CalculusFactSheet2.pdf

I hope some of this helps. Now you have to put in the time and effort to really get to know these concepts well.

- Dr. Andy Loveless