

## 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 Sun (Oct. 4<sup>th</sup>):* Welcome Quiz on **Canvas** (<https://canvas.uw.edu/courses/1400135/quizzes/> )
- *Tues/Wed:* Discuss a quick “Worksheet” in quiz section and then enter your answer in the corresponding WS 1 Canvas quiz before the end of the day Wednesday.
- *Closing Tues (Oct. 6<sup>th</sup>):* 12.1, 12.2, and 12.3 on **Webassign** (<https://www.webassign.net/washington/login.html>)
- *Closing Thurs (Oct 8<sup>th</sup>):* 12.4(part 1), 12.4(p2), and 12.5 (p1) on **Webassign**.

**UPCOMING SCHEDULE:** (usually this will be brief, but I explain “worksheets” and “practice exam” below)

Monday: 12.4 Live-Stream (cross products)

- **Watch thru 12.4 videos before**

Tuesday:

Worksheet 1 Quiz on Vector Operations and Lines/Plane Logic in Quiz Section

You will discussion this worksheet in groups (you can also see this document in Canvas):

<https://sites.math.washington.edu/~aloveles/Math126Fall2020/m126f20ws1.pdf>

This document is just for your convenient, the actual “quiz” is exactly the same but in Canvas.

After (or during) quiz section you can open the Canvas quiz and enter your answer to get credit. This is graded, so make sure you have the correct answers before you leave quiz section! The quizzes closes Wednesday night, but my expectation is you will fill it out during quiz section.

Wednesday: 12.5 Live-Stream (lines and planes)

- **Watch 12.5 (parts 1, 2) videos before**

Thursday: Practice Exam on Gradescope in Quiz Section

This is graded on participation only, you just have to upload something/anything on problem 1 to get credit. The goal is to give you practice with the system. You will log into your normal Zoom quiz section (do not start the practice exam yet). Once everyone is on and situated, the TA will tell you to start the practice exam by going to Gradescope.com and opening the exam. I have set this to have a 25 minute time limit (the real exams will be 50 minutes). During those 25 minutes I want you to seriously attempt problem 1 which will only cover topics from 12.1 through 12.5 (part 1) enter your answers, then upload your handwritten work (that is the important part). There will be a second problem but you can ignore it for now, just complete problem 1 in under 25 minutes, that is your goal to practice timing. Afterward, you will come back on with your TA and discuss any issues and/or discussion homework questions with any remaining time.

Friday: 12.5/12.6 Live-Stream (lines/planes and 3D shape names) - **Watch 12.5 (part 3) & 12.6 videos before**

**See the next page for additional resources and study materials.**

**NEW POSTINGS:** There are several new postings on the course materials website (these materials are not “required”, just supplemental resources that you may want to click through if you are struggling with a given topic):

1. 12.1-12.4 Brief Review: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/sp10m126week1review.pdf>
2. 12.1 Review: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/sp14m126review12-1.pdf>
3. 12.2 Review: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/sp14m126review12-2.pdf>
4. 12.3 Review: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/sp14m126review12-3.pdf>
5. 12.4 Review: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/sp14m126review12-4.pdf>
6. Visual Vector Description of Lines and Planes (examine these pictures before lecture next week):  
<https://sites.math.washington.edu/~aloveles/Math126Fall2020/Lines-Planes%20Visuals.pdf>

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

**OLD EXAMS:** *It is vital that you spend some time at the end of each week reviewing the previous homework and practicing your homework skills 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/Math126Fall2020/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/m126spr12taggartExl.pdf>  
Problem 1a from: <https://sites.math.washington.edu/~aloveles/Math126Spring2017/f13m126e1v1.pdf>  
Problem 1ab from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126aut12bekyelExl.pdf>

*For practice with 12.3 and 12.4 material you might try:*

- Problem 1b from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr12taggartExl.pdf>  
Problem 1c from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126aut12bekyelExl.pdf>  
Problem 2a from: <https://sites.math.washington.edu/~aloveles/Math126Spring2017/sp14m126e1.pdf>  
Problem 1bc from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr10lovelessExl.pdf>  
Problem 1 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126aut09solomyakExl.pdf>

Let me know if any of this helps.

See the next page for some advice, extra comments, supplemental material and homework hints.

#### **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/Math126Fall2020/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/Math126Fall2020/How%20to%20Get%20Help.pdf>

**SUPPLEMENTAL POSTINGS** (a few additional postings that students have told me have been helpful)

1. Unit circle and trig facts: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/Trig%20Facts.pdf>
2. Calculus Fact Sheet: <https://sites.math.washington.edu/~aloveles/Math126Fall2020/CalculusFactSheet2.pdf>
3. Physics and Vectors Supplement (read this for more background on some ways vectors appear in science):  
<https://sites.math.washington.edu/~aloveles/Math126Fall2020/AVerySmallBitOfPhysicsCh12-m126.pdf>

Remember the key is to watch the lecture videos and start homework early, then you can use this additional material if you need it. I hope some of this helps.

- Dr. Andy Loveless