

Math 126 End of Week 2 Newsletter

UPCOMING SCHEDULE:

- Friday: Section 12.5 (lines/planes) and 12.6 (traces and names of some 3D surfaces)
Monday: Section 13.1/13.2 (intro to parametric vector curves 2D and 3D)
Tuesday: Homework Question and Answer (bring homework questions pertaining to 12.5-12.6, 13.1).
Wednesday: Section 13.2/13.3 (calculus on 3D curves and measurement tools)
Thursday: Worksheet/Review on parametric curves (Worksheet 3)
Next Friday: Section 13.3 (more measurements on 3D curves: arc length, curvature, Normal vector)

Worksheets

- WS 2(a)(b)(c) solutions will be posted on the left of the course page (by Friday).
- WS 3: Print off and bring to quiz section for next Thursday.
<https://sites.math.washington.edu/~aloveles/Math126Spring2019/sp18m126ws3.pdf>

HOMEWORK: Closing Tues: 12.5 (part 2), 12.5 (part 3), 12.6 Closing Thurs: 13.1, 13.2

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

1. **12.5 Summary:** www.math.washington.edu/~aloveles/Math126Spring2019/sp14m126review12-5.pdf
2. **12.5 Visual/Derivation:** www.math.washington.edu/~aloveles/Math126Spring2019/Lines-Planes%20Visuals.pdf
3. **12.5 Flowchart Summary:** <https://sites.math.washington.edu/~aloveles/Math126Fall2019/12-5Flowcharts.pdf>
4. **Thirteen Practice Problems of each type for lines and planes (full solutions included!):**
<https://sites.math.washington.edu/~aloveles/Math126Spring2019/sp12m126PlanesAndLines.pdf>
5. **Summary of 12-6 (Names of some 3D shapes) with visuals and examples of each:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2019/12-6%20Summary.pdf>
6. **13.1 - Intro to 3D curves review with examples:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2019/m12613-1review.pdf>
7. **13.2 – Basic Calculus Tools for 3D curves:**
<https://sites.math.washington.edu/~aloveles/Math126Spring2019/m12613-2review.pdf>

SUPPLEMENTAL POSTINGS

For your own interest, I posted a discussion of conic sections which includes some visuals of hyperbolas.

<http://www.math.washington.edu/~aloveles/Math126Winter2015/ConicSectionsOverhead.pdf>

OLD EXAMS: Departmental exam archive here: <http://www.math.washington.edu/~m126/midterms/midterm1.php>
and in my additional exam archive here:

<https://sites.math.washington.edu/~aloveles/Math126Spring2019/examarchive.html>

For practice with 12.5 (Lines and Planes) you might try:

- Problem 2 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126aut13lovelessExl.pdf>
Problem 1 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr13lovelessExl.pdf>
Problem 3 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14taggartExl.pdf>
Problem 2 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126win14bekyelExl.pdf>
Problem 2 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14rothvossExl.pdf>

For practice with 12.6 (intro to surfaces) material you might try:

- Problem 2 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr11lovelessExl.pdf>
Problem 3 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14novikExl.pdf>
Problem 2a from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126spr13lieblichExl.pdf>
Problem 5 from: <http://www.math.washington.edu/~m126/midterms/midterm1/m126aut09solomyakExl.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