

Math 126 End of Week 8 Newsletter

Comment: The text for the last two weeks of the quarter is the *Taylor Notes* which are here:

<https://sites.math.washington.edu/~m126/TaylorNotes.pdf>

which were written by our department. **Read the *Taylor Notes* over the break to get ready for the next topic.**

I also have a lot of supplemental materials and reviews on my course website to give you extra examples (the text doesn't have very many examples).

UPCOMING SCHEDULE:

Monday: Taylor Notes 1 (Intro to Taylor Polynomial and Error Bounds)

Tuesday: HW Q & A

Wednesday: Taylor Notes 2, 3 (Higher order Taylor Polynomials)

Thursday: *Worksheet 5 – Taylor Polynomials and review*

Friday: Taylor Notes 4,5 (Taylor Series)

Worksheet 5 is here (it is also a practice sheet for the final):

<https://sites.math.washington.edu/~aloveles/Math126Fall2018/lastworksheet.pdf>

HOMEWORK (for rest of quarter):

Closing Mon (Nov. 26): 15.4 (finish now!)

Closing Wed (Nov. 28): TN 1

Closing Thu (Nov. 29): TN 2

Closing Tue (Dec. 4): TN 3 and TN 4

Closing Thur (Dec. 6): TN 5

Final Exam: Saturday, December 8th. Comprehensive, 8 pages (expect at least two pages on Taylor Polynomials/Series).

NEW POSTINGS: <https://sites.math.washington.edu/~aloveles/Math126Fall2018/index.html>

1. **Detailed Review of Taylor Notes 1, 2, and 3 (with outlines of how to do every type of problem):**

<https://sites.math.washington.edu/~aloveles/Math126Fall2018/TaylorNotesReview1.pdf>

2. **Detailed Review of Taylor Notes 4, and 5 (without outlines and full example of each type of problem):**

<https://sites.math.washington.edu/~aloveles/Math126Fall2018/TaylorNotesReview2.pdf>

3. **Fact Sheet on Taylor Polynomials and Series:**

<https://sites.math.washington.edu/~aloveles/Math126Fall2018/TaylorFactSheet.pdf>

Also remember the Taylor Notes textbook is here: <http://www.math.washington.edu/~m126/TaylorNotes.pdf>

This is the text that goes with the current material and it includes additional examples.

OLD EXAMS:

Remember the department's final exam archive is here (this is where you should be spending a lot of your time over the next week): <http://www.math.washington.edu/~m126/finals/final.php>

TN 1, 2, 3: Taylor Polynomial Questions from old finals:

Finding Taylor Polynomials:

Problem 1a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8ac from: <http://www.math.washington.edu/~m126/finals/m126finalAut2013.pdf>

Problem 9a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 8a from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Given an interval, find the error:

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalAut2013.pdf>

Problem 9bc from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2013.pdf>

Problem 8b from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 7bc from: <http://www.math.washington.edu/~m126/finals/m126finalWin2011.pdf>

Problem 1b from: <http://www.math.washington.edu/~m126/finals/m126finalAut2010.pdf>

Given an error, find the interval:

Problem 1bc from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2014.pdf>

Problem 8c from: <http://www.math.washington.edu/~m126/finals/m126finalSpr2012.pdf>

Problem 1b from: http://www.math.washington.edu/~m126/finals/final126_sp07.pdf

I hope some of this helps. - Dr. Andy Loveless