

Math 126 End of Week 10 Newsletter

UPCOMING ASSIGNMENTS

- Closing Tue:* TN 2, 3 on Webassign
- *Closing Wed:* Canvas Quiz 4 (no time limit, but be done by 11:59pm)
- *Closing Thu:* TN 4, 5 on Webassign

Exam 5 is Saturday OPEN: 5pm

- I'm giving an additional 20 minutes! Instead of 55 minutes you get **75 minutes**. Start before 5:15 for full time.
- Still **TYPE IN** final answers in the first 40 min. The exam will be no longer than previous exams.
- But now you have **35 min to upload work** and check answers.
- Since you have so much more time to upload work and change answers, no student should be emailing me after.

Exam 5 Coverage: Only covers Taylor Notes 1-5 (know those lectures and homework well)

- Expect a 2-3 short multiple choice conceptual questions.
- Expect a question on Taylor polynomials and error bounds (take/use derivatives, Taylor's inequality)
 - Use the homework, lectures and old exams for practice (also see test prep from Thursday).
- Expect a question on Taylor series (using known series, sigma notation, give terms, interval of convergence)
 - Use the homework, lectures and old exams for practice (also see test prep from Tuesday).

UPCOMING SCHEDULE:

Monday: No class – university holiday
Tuesday: Test Prep on Taylor Series and Discuss HW with TA
Wednesday: Live-Stream – TN 5 using and manipulating Taylor series - **Watch TN 5 (part 2) Before**
Thursday: Review and discuss HW with TA
Next Friday: Live- Stream – Exam 5 Open Review - **Come ready with questions**

NEW POSTINGS: Here again is my [extra materials/review website](#). Several new postings:

1. [Detailed Review of Taylor Notes 1, 2, and 3](#) (with outlines of how to do every type of problem)
2. [Detailed Review of Taylor Notes 4, and 5](#) (with outlines and full example of each type of problem):
3. [Reference sheet for all you need to know for Taylor Polynomials and Series](#).
4. [Summary and Facts sheet of Everything we've don't this quarter](#) (you only need to know TN for exam 5)

OLD EXAMS: Also see the test preps from quiz section. And you can see many more on old exams (typically the last two pages). Here are a few random ones I found clicking through old finals:

TN 1, 2, 3: Taylor Polynomial Questions:

Given an interval, find the error:

[Winter 2019 Problem 7](#)

[Fall 2013 Problem 8](#)

[Spring 2016 Problem 8](#)

Given an error, find the interval:

[Spring 2014 Final Problem 1](#)

[Fall 2017 Final Problem 7](#)

Given an error and interval, find "n":

[Fall 2018 Problem 9](#)

TN 4, 5: Taylor Series Questions:

Substitution, Notation, and Convergence:

[Winter 2015 Problem 8](#)

[Fall 2011 Problem 9](#)

[Fall 2014 Problem 8](#) (also has pattern question of finding $f^{674}(0)$)

Differentiation:

[Winter 2019 Problem 8](#) (also has pattern question of finding $f^{100}(0)$)

Integration:

[Spring 2014 Problem 2](#)

[Spring 2016 Problem 9](#) (also has pattern question of finding $F^{10}(0)$)

[Winter 2011 Problem 8](#)

I hope some of this helps. This is my last newsletter for the quarter. - Dr. Andy Loveless