Math 126 End of Week 10-11 Newsletter

UPCOMING ASSIGNMENTS

- *Closing Tue (Dec 8th):* TN 2, 3 on Webassign
- *Closing Wed (Dec 9th):* Canvas Quiz 4 (two submissions and no time limit, finish sooner)
- *Closing Thu (Dec 10th):* TN 4, 5 on Webassign

Exam 5 is **Saturday, Dec. 12** OPEN: 5pm CLOSE: 6:30pm

- I'm giving an additional 20 minutes! Instead of 50 minutes you get **70 minutes**. Start before 5:20 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 **30 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. (I will not accept anything, for any reason, that is emailed to me after your exam time is over)

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

- Expect a couple 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:	Live-Stream – TN 5 Series, interval of convergence, substitution	- **Watch TN 5 (part 1) Before**
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