

## Old Announcements:

The final is scheduled for Thursday morning, 8 - 10am, in LH 008.

Besides the usual help room hours on Tuesday, I'll hold extra help room hours on Wednesday from 4-5pm. (I'll stay to 5:30, assuming there are people there at 5.)

Here is the python program I wrote to do the group work. You may not be able to view it without first downloading it.

Quiz 6 will be on Friday, December 11<sup>th</sup>; here is the study guide.

Quiz 5 will be on Monday, December 7<sup>th</sup> and will be on volume.

Here are the groups for group work, for now.

Quiz 4 will be on Wednesday, December 2<sup>nd</sup> and will be on sections 5.1 and 5.2. For 5.1, look at the problems on WebAssign labeled "for practice only". For 5.2, look at problems 19-29 odd in the textbook.

Quiz 3 will be on Monday, November 16<sup>th</sup> and will be on sections 4.3, 4.4, and 4.5.

Quiz 2 will be on Monday, November 9<sup>th</sup>. One question will ask you to define the definite integral. One question will ask you to use the definition to calculate a certain integral. One more question will be about definite integrals; you'll have to use properties of the definite integral to evaluate it. Finally, one question will be on sigma notation.

*Quiz 1* for Math 225 will be on Monday, November 2<sup>nd</sup>. Study guide: problems 6, 16, 25, 34, 37, and 56 from the textbook (section 3.7) and the new WebAssign homework on antiderivatives (due Wednesday).

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The final for the first half is on Friday, October 23<sup>rd</sup>.

"*Quiz 6-7*" will be on Monday, October 19<sup>th</sup>. Because it *will* count as two quizzes, it will in fact be two quizzes. The quizzes will cover sections 3.1, 3.3, and 3.4. To prepare, do the two WebAssign homeworks and also look at the following quizzes from last year: this quiz and the limits portion of this quiz (i.e. skipping the graphing question).

*Quiz 5* will be on Monday, October 12<sup>th</sup> and will cover related rates and linear approximation. For linear approximation, expect something like exercises 23-28 on page 193. For the related rates problems:

- do the (new) WebAssign problem set
- know how to do the examples in the book (pp 181-185)
- be sure you can do the examples we did in class
- do exercises 25 and 26 (pg 186)

*Quiz 4* will be on Monday, October 5<sup>th</sup> and will cover implicit differentiation and the definition of the derivative. Here is the definition question:

Give a definition of  $f'(x)$ , and explain it using a labeled picture (a graph), and the words "slope", "secant line", etc.

And so when you answer that question, be sure to say what the slope of the secant line is (and what points the secant line goes through), and that the slope of the tangent line (through  $(x, f(x))$ ) is  $f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$  the limit formula

you are comfortable with.

Quiz 3 is graded. You may stop by my office today (Friday) from 1-2 to pick it up. You can also get it during my help room hour from 2-3.

The midterm for Math 224 is on Monday, September 28<sup>th</sup>. It is in class, at our regular time. Practice tests are on the main calc 1 webpage. For your convenience, they are linked below with explanations on what is relevant:

1. Practice test for MATH 224 with solutions - Fall 2014 (covers midterm and final topics for 224) Do problems 1 through 5. Try to answer the problems before reading the answers.
2. Practice test for MATH 224 with solutions - Fall 2012 (covers midterm and final topics for 224) Do problems 1 through 6. Try to answer the problems before reading the answers.

There is a small graded WebAssign homework due Friday, September 25<sup>th</sup>. (And there already has been a graded assignment on Appendix D, due Tuesday, September 22<sup>nd</sup>.)

*Bonus points on quiz 3:* For this week, you can get up to three bonus points on the quiz by going to the math help rooms (WH 231-235). You will be given 1 point for each person (up to three) that you work with for at least 1/2 an hour. Just tell the person your name, and email me the times you went and who you worked with.

Quiz 3 will be on Friday, September 25<sup>th</sup> and will cover the chain rule and trig derivatives (sections 2.4 and 2.5). A study guide is the above mentioned WebAssign homework.

The math help room is closed on Monday and Tuesday, September 14<sup>th</sup> and 15<sup>th</sup>.

Quiz 2 will be on Wednesday, September 16<sup>th</sup>. Here is a study guide for the quiz.

I plan on being 10 minutes early to class on Friday to go over problem 3 from the written homework.

*WebAssign typing tips:* In the answer box, you can type things such as “infinity”, “union”, “intersect”, and “pi”; the symbols +, -, \*, /, and ^ also work as addition, subtraction (or negative), multiplication, division, and exponentiation.

Today (Friday, September 4<sup>th</sup>) at 2:30PM and at 4PM, I plan to be in the math help room to review trigonometry.

Quiz 1 is scheduled for Friday, September 4<sup>th</sup>, and will cover Appendix A and section 1.5. (Doing the homework on WebAssign would be good preparation.)

We will be using WebAssign for some of the homework for this course. You will need to enter the class key (at a link in the top-right of their page) to enroll yourself; here is our section's class key: binghamton 3615 4749

On Thursday, September 3<sup>rd</sup>, 11AM - 1PM and 1:30PM - 2:30PM, I plan to be in the math help rooms (WH231-235) for those who want extra help.

The Binghamton Calculus webpage says that this course is Calculus I, “split into two half-semester courses”.

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Last update: **2016/10/18 21:39**



