

Math 2200 Syllabus

1. COURSE INFORMATION

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Wilson Pharmacy 338.
 10:10-11, MWF.
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 “Courses”, “Math 2200”

2. COURSE SCHEDULE

The course is organized into 13 weeks, with each week's topic appearing below.

1. Tangent lines and limits (2.1 - 2.2).
2. Advanced limits and Continuity (2.3 - 2.4).
3. Continuity and the Definition of the Derivative (2.4-3.1).
4. Rules for Differentiation (3.1-3.2).
First Exam: 9/8/09 (tentative).
5. The Chain Rule (3.3-3.4).
6. Max/Min Problems: Theory and Practice (3.5-3.6).
7. Derivatives of Trig Functions (3.7).
8. Exponential Functions, Implicit Differentiation and Related Rates (3.8-3.9).
Second Exam: 10/6/9 (tentative).
9. Increments, Increasing/Decreasing Functions and the MVT. (4.2-4.3)
10. The First Derivative Test and its Applications (4.4)
11. Curve sketching, Higher Derivatives, and Concavity. (4.5-4.6)
12. Asymptotes, Antiderivatives, and Initial Value Problems. (4.7, 5.2)
13. Seperable Differential Equations and Applications (8.3)
Final Exam: Wednesday, December 16, 8-11 am.

3. GRADING AND POLICIES

The overall course grade is computed from homework, exam, and final grades by the formula:

1. 20% for each exam.
2. 30% for the final exam.
3. 30% for the homework assignments.

Homework is due every week, starting **this** week. The homework assignments will be due on Wednesday at 5pm to allow you to make the best use of the recitation section (11 am Tuesday) and office hours on Wednesday afternoon.

4. WEBWORK

For this class, we're using a web-based homework system called `WebWork`. You can find the login link on the course webpage. Your username is the username from your "official UGA email address" (so if you are `bigdawg3000@uga.edu`, then your username is `bigdawg3000`). Your initial password is your 810 number, formatted like a social security number with dashes. So it should look like `810-12-3456`. You should change it after you login for the first time.

`WebWork` is different from your previous experiences with math homework. Until the assignment is due, **you can try the problems as many times as you like**, and the system will tell you whether or not you have the right answer. This lets you correct your work immediately.

After the assignment's due date, the system will show you the correct answer for each problem when you try it (but your answers won't be scored). The funny thing about `WebWork` is that **the due dates are absolute**. Since the system shows you the answers after the due time, I can't give extensions on homework. All of the assignments up to the first exam are already posted, and you may complete them in advance if you have to.

You are welcome to work together on `WebWork` problems, but be warned: **the problems are a little different for each student**, so copying other folks' answers won't work.

When you first login to `WebWork`, you'll see three buttons on the left. Use the "Change Email" button to enter your email address and the "Change Password" button to change your password. Then try "Begin Problem Sets" to see how the system works. You can select a set and print it out in PDF format to work out the problems on paper if you like. Your problems will be the same when you login again to enter the answers. Now complete Set0 of the problem sets. This set is designed to give you a tutorial on how `WebWork` works.

5. ACADEMIC HONESTY

The University of Georgia expects every student to live up to the highest standards of academic honesty and ethics. There are severe punishments for cheating, and they are enforced not by your friendly professor, but by Decepticons.