

Course Information Sheet

Mathematics 106 , Section 550, Fall 2009, Avery Hall 115
11:30a.m.- 12:20p.m., M-W-F

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Office Hours: 2:35–3:15 p.m. M-W-F (Subject to change—Check my home page for any changes) or by an appointment.

Text: *University Calculus*, Haas, Weir and Thomas, Pearson-Addison Wesley, 2007. Please bring your text to each class meeting—we may use it as a source of examples to work during class.

Calculators: A graphing calculator can be useful for this course; but **Not Required**. The TI-83, TI-84 and TI-86 are recommended. However, ALL CALCULATORS that have a built-in computer algebra system (CAS) **will not be permitted** during any of the exams or quizzes. Examples of CAS calculators include the TI-89, TI-92, TI-Nspire, HP-40, HP-41, Casio ALGEBRA FX 2.0, Casio ClassPad 300, and Casio ClassPad 330.

General Expectations: You are expected to take notes during each lecture. These notes, along with the text are the key sources for studying. Studying and working out problems is expected to be a daily affair (Five days a week). Performance at a high level in this class is very much expected.

Groups: Some of the work you will be doing in this class will be in *groups*. For this reason, you may find it helpful to sit with your group in class; particularly in recitation.

Resources: When you need help with something in the course, there are some options:

- Talk to the other members of your group. Together you can often figure out things you didn't understand alone.
- Come and talk with me or your TA—especially if it's about something I did in class. The best time to be sure of finding me is in my office hours, but you can call to arrange another time.
- Last but not least, there's **the MATH RESOURCE CENTER-AVERY HALL 13B**. You can go there and talk with an instructor, other members of your class, or student assistants. It's also just a good place to go to meet with your group.

Homework: You are responsible to work all of the assigned problems on the syllabus after each period, and before the next class meeting. The homework will not be collected for grading.

Quizzes: There will be a short (10-15min) quiz every Thursday. No quizzes will be given on exam weeks, the first week, and the last week of classes. Each quiz, except for the first quiz, will be over the material covered from Wednesday (the previous week) to Monday (the week of the quiz).

Exams: There will be three midterm exams, the gateway exam, and one final exam. The midterms will each be 55 minutes long, and the final will be two hours. The three midterms will always be given on a **Thursday**. Please pay attention to the announcements in class for the dates of the midterms and consult your syllabus to get an approximate dates. You take all the exams except the final in your recitation classroom. The location of the final will be announced during the last week of class.

WARNING: Please consult your calendar to be sure that you can take all the exams. If you have a conflict, it would be a good idea to enroll in a different section or take the course another time. **There will be no make-up midterm exams or quizzes.**

A VERY GOOD WAY TO PREPARE FOR MIDTERM EXAMS is to be sure you have understood the reading and done (and understood!) all of the assigned problems. Many of the questions I ask are closely related to the homework and the examples shown in class, sometimes even word-for-word.

Grading Policy: The following table shows how points will be awarded over the course:

	Number	Pts.	Total
Midterm Exams	3	100	300
Projects	1	50	50
Quizzes	9	15	105
The Gateway exam	1	50	50 OR 0
Final Exam	1	200	200
<u>TOTAL</u>			<u>705</u>

Note, your lowest two quiz scores will be dropped, i.e., only seven quizzes will be counted.

IMPORTANT BONUS AND CONDITIONS: If your score on the final exam (percentage-wise) is greater than the scores on one or two **Eligible** midterms, then these scores will be replaced by that of the final exam score; **PROVIDED** the following condition is fulfilled.

- You must take all of the three midterm exams.

Note that the **only** midterm exams that are eligible for replacement are the ones with a score of 50% or higher. For example, suppose the following scores belong to you. $Ex1 = 40, Ex2 = 50, Ex3 = 85, Final = 140/200$. Then, the score on exam 2 will be changed to 70. On the other hand, if your scores are $Ex1 = 50, Ex2 = 60, Ex3 = 80, Final = 180/200$ Then, the following change will take place. $Exam1 = 90, Exam2 = 90$.

At the end of the course your final grade will be based on your average, and it cannot be any worse than the following table:

$\leq Average <$	90-100	87-90	84-87	80-84	77-80	74-77	70-74	67-70	64-67	60-64	55-60	< 55
Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Gateway Exam: All students in math 106 will be required to take and pass a type of exam that is variously described as a Gateway Exam or a Basic Skills Exam. This exam will be over differentiation techniques and students must demonstrate a high level of proficiency and accuracy. Here is how the exam will work:

- The exam will consist of 10 questions where you are asked to find a derivative.
- To successfully pass the exam, you must work at least 8 problems completely correct. No partial credit will be given.
- No calculators, books, or notes will be allowed on the Gateway Exam.
- Students who do not pass the gateway exam will be permitted to re-take it.
- The gateway exam can be taken on week days. A picture ID will be required when taking the exam at either the College Testing Center or the Math department's computer lab (Avery 18). You may attempt the Gateway Exam only once on any given day. Also, you may take as many practice exams as you wish. For the practice Gateway exam go to: http://www.math.unl.edu/resources/undergraduate/gateway_exams/
- For the dates and deadlines for the Gateway Exam, please consult your syllabus.
- Students who successfully complete the Gateway Exam will receive 50 points as part of their grade for the course. If you do not pass the Gateway Exam, you will receive no points.

Department Grading Appeals Policy: Students who believe their academic evaluation has been prejudiced or capricious have recourse for appeals to (in order) the instructor, the departmental chair, the departmental appeals committee and the college appeals committee.