Math 222, Calculus and Analytic Geometry  
Lecture 1, Fall Semester 2008-09

General Information

Instructor: Professor Alexander Nagel
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Office Hours: Tuesdays, 2:30 PM – 4:00 PM  
Thursdays, 11:00 AM – 12:30 PM  
By appointment

Text: CALCULUS by George B. Thomas, (revised by Weir, Hass, and Giordano)  

Lecture: Tuesday and Thursday from 9:30 AM - 10:45 AM in B102 Van Vleck Hall

Exams:
There will be three exams given during the semester in the evenings, and a final exam given after the end of classes. The dates and times of these exams are as follows:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Exam #1</td>
<td>Thursday, October 2</td>
<td>5:30 - 7:00 PM</td>
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<tr>
<td>Exam #2</td>
<td>Wednesday, October 29</td>
<td>5:30 - 7:00 PM</td>
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<tr>
<td>Exam #3</td>
<td>Wednesday, November 19</td>
<td>5:30 - 7:00 PM</td>
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<tr>
<td>Final Exam</td>
<td>Monday, December 15</td>
<td>5:05 - 7:05 PM</td>
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The location of the evening exams will be announced early in the semester. For those people with a legitimate conflict with an evening exam, there will be an early exam from 3:30 PM to 5:00 PM on the same day. **If you need to take the early exam, you must inform your TA of the conflict at least one week before the exam.** If you have a legitimate conflict with both the regular and the early exam, you must arrange with your TA for a make-up exam at a time that is mutually convenient.

The location of the final exam will be announced late in the semester. The date and time of the final examination are set by the University. **We cannot reschedule the final exam or give make-ups to accommodate an early departure from Madison.** Please inform me and your TA early in the semester if you have a legitimate conflict with the final exam.

Assignments:

Homework problems will be assigned weekly, and are available on this web page. The completed assignments will be collected in discussion sections on a date specified by the TA. **We expect all assignments to be written neatly, and handed in on time.**
Grading:

Each in-class exam is worth 100 points, and the final exam is worth 150 points. Work in discussion section is worth 50 points. Your final grade will be based on your total out the maximum possible total of 500 points.

Discussion Sections:

You are expected to attend your discussion section twice weekly, where you will hand in assignments, go over homework problems, have questions answered, and take quizzes. Ten percent of your final grade is based on your work in discussion sections.

Calculators:

Calculators and computers are useful and powerful tools that can be a great help with numerical computations, algebraic manipulation, curve sketching, and visualization. However, it is crucial that you learn how to do simple versions of these activities on your own, without the use of calculators. **Thus you will not be allowed to use calculators on the exams in this course.** All problems on the exams will be designed so that they can be done without calculators. You should use calculators to do calculator problems on the homework and to check your answers for other questions, but you must learn to have confidence in your own calculations.

General Comments:

This course will cover a lot of material very quickly, and you need to keep up and work systematically in order to do well in the course. It is important to do lots of homework problems in order to achieve understanding and facilitate the accuracy and speed needed for good grades on the exams. Since this is a five credit course, you should expect to spend at least 8 to 10 hours per week working on Math 222 in addition to attending lectures and discussion section.

**Do not hesitate to ask questions of me or of your teaching assistant if you do not understand some topic. If you do not understand something, the chances are extremely high that several other students are also confused. Our objective is to instruct you, not intimidate you. Thus you will do yourself, your fellow students, and your instructors a great favor if you ask questions!**