Course: Mathematics 121 - Calculus I (section 4)     Fall 2004

Instructor: Dr. Elyn Rykken
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Office hours: 2:00 – 2:50 M,T,R,  1:30-2:20 F, and by appointment.

Meeting Place: Trumbower 149
Meeting Times: 12:30 - 1:20, MTRF

Required Text: Calculus from Graphical, Numerical, and Symbolic Points of View, Vol. 1, second edition, by Arnold Ostebee and Paul Zorn (Saunders College Publishing). You are expected to read the book before you come to class. This is unusual in a mathematics class. I will provide reading guides for you. You must e-mail me your responses to the questions at least three hours before class starts. Please use M12104 as the subject for the message. Bring your textbooks to class.

Required Calculator: You will need a graphing calculator. We will be using Texas Instruments' TI-83 for in-class demonstrations. If you are buying a new calculator for this course, we strongly recommend the TI-83 or TI-83 plus. We should be able to accommodate TI-86's without much difficulty. TI-89's and TI-92's will not be allowed for exams.

Course Description: This is the first course of a three-semester calculus sequence. No prior knowledge of calculus is expected or assumed. The prerequisite is 3-1/2 years of high school mathematics, placement by examination or Math 103. This implies a good mastery of algebra and a familiarity with exponentials, logarithms, and trigonometry. This course will cover the entire book with possible omissions in chapter 4.

Grading Criteria:

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<thead>
<tr>
<th>Component</th>
<th>Date</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>First exam</td>
<td>Sept. 20th</td>
<td>12%</td>
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<tr>
<td>Second exam</td>
<td>Oct. 12th</td>
<td>12%</td>
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<td>Third exam</td>
<td>Nov. 5th</td>
<td>12%</td>
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<td>Fourth exam</td>
<td>Dec. 3rd</td>
<td>12%</td>
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<td>Homework and class participation</td>
<td>28%</td>
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<td>Final (TBA)</td>
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<td>24%</td>
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Note: All examination dates are approximate and are subject to change with warning. Please note that all students must be available until 3:00 PM on Friday, December 17th to take their final exam. Please make appropriate travel arrangements. No one will be allowed to switch the time or date of the final because of travel/ride conflicts. The only valid reason to change a final exam is a documented conflict with another final scheduled at the same time.
E-mail: You are required to have an e-mail account for this course. In addition to using your account to submit responses to the reading guide, I will use it to relay messages about the course.

Attendance: Attendance will be taken at each class meeting. Students are expected to attend and participate in class. Students are expected to come to class on time. Coming late to class is disruptive and discourteous to the other class members. Students should see me if they anticipate this being a problem. You will be held responsible for the material discussed in class whether present or not. I reserve the right to use attendance as a factor in borderline grades. ATTENDANCE AT ALL EXAMS IS MANDATORY. Absence from a scheduled exam for a valid reason (e.g., prolonged illness with a doctor's excuse or required participation in a sanctioned off-campus school event) must be cleared with me IN ADVANCE. The following are NOT valid excuses: other exams scheduled the same day, pressure from other classes, a flat tire, over sleeping, early departure from campus, unpreparedness, "I forgot."

Homework: Homework will be done in groups. Each homework group must have at least three and no more than four members. Members of the group will rotate writing up the final version. Usually, Monday and Tuesday's homework will be collected on Friday and Thursday and Friday's homework will be collected on Tuesday. Working on the material every day will be very helpful. No late homework will be accepted without a valid excuse.

Most homeworks will be worth 20 points. The homeworks should total close to 650 points. The reading guides will count for 150 points (if you submit a response that is thoughtful and basically correct, you will get a 5, with a good effort, you will get a 4, if your response shows a minimal effort, you will receive a 3, no response is a 0 - ABC guidelines do apply). This is a total of close to 800 points. If you miss 0 or 1 days, you will receive 40 bonus points, 2 days - 30 bonus points, 3 days - 20 points, 4 days - 10 points, 5 or more days - no bonus points. Again, I reserve the right to use attendance to determine borderline grades. There will be no excused absences.

Learning Disabilities: If you have a diagnosed learning disability and will need special arrangements either on a daily basis or for exams, please bring me a letter from Academic support as soon as possible to confirm your need for accommodations.

A reminder: At Muhlenberg we follow the Academic Behavior Code. Please be sure to read it carefully. Specifically, for your homework and labs, the work must be your group's work. You are allowed to attend workshop and receive help, but you must have attempted the problem. You are not allowed to copy from other groups or any other sources.