Contact Information: Dr. Suzanne Riehl  
WRT 327 Office Telephone: 273-2936 e-mail: riehl@math.uni.edu

Office Hours: Mondays, Wednesdays and Fridays from 2-3, Tuesdays from 10-11 and other times by appointment.

Text: Calculus, Fourth Edition, by Hughes-Hallett, Gleason, McCallum, et al. We’ll cover Chapters 1-5. Goals include:

1. Acquire an intuitive picture of the central ideas of Calculus I; namely, the concepts of the derivative and the definite integral.
2. Reason with the intuitive ideas so that you can develop a strategy to solve problems and give explanations in plain English.
3. Work with quantitative data given in any of the following forms: graphical, numerical, analytic (ie, formulas), and verbal. Be able to translate information in one form to another. Solve a variety of problems.
4. Read, speak, and write technical prose. Develop facility with notation and vocabulary.
5. Develop the background for rigorous justification of mathematical ideas and abstractions.

Technology: A graphing calculator is required for this course. It should have the capability to draw graphs of functions, find roots of equations, and integrate numerically. The TI-86 will be used for demonstrations; the TI-83/84 works fine also. You may not use a calculator with symbolic algebra capabilities (such as the TI-89 or TI-92) on tests. I expect that you already know how to use your calculator to evaluate expressions, graph functions, and find intercepts of functions (or intersection points of two functions). Ask if you need help!

Grades: Course grades will be based on 4 exams (14% each) and one mini-exam (7%), homework (14%), quizzes (5%) and a cumulative final exam (18%). Grade cut-offs are 93%,90% for A, A-; 88%,83%,80% for B+, B, B-; etc.

See attached schedule for exam dates, homework assignments and due dates, and daily topics. (If changes are necessary, announcements are made in class and/or on WebCT.) The final exam is comprehensive and is given during finals week. In order to make up an exam, you must contact me prior to the test time and have a bonafide excuse. Leave a phone or email message if you can’t speak to me in person.

Come to class prepared – read the assigned section, have text and calculator, be ready to discuss and work problems. I will assume you have read the text before entering the classroom and will not plan class activities as if you’ve never seen the material before. Reading quizzes will be administered via WebCT and are typically due before class. Plan to spend time after class reviewing text and notes and working problems.

WebCT: To access WebCT, go to http://webct.uni.edu. Your username is the same as your UNI username (the first part of your UNI email address) and your initial password is your UNI identification number (on your ID). Note that if you have ever used WebCT at UNI in the past, your password is what you previously used.

ADA: Instructional accommodations due to disabilities must be arranged through the Office of Disability Services. The ODS can be contacted at 273-2676 or via http://www.uni.edu/disability/