Math 107H: Calculus II (Honors)
Fall 2012

Instructor: Professor Tom Marley
Office: Avery 305. My office hours are 12:30-1:30 Tuesdays, 2:30-3:30 on Wednesdays and 1:30-2:30 on Thursdays, or by appointment. (Note: There are occasions when I will have a meeting during one of my office hours, so it is often best to check with me in advance—usually email is best—to let me know you are coming.)

Phone: 402-472-7250
Email: tmarley@unl.edu  This is the most reliable way to reach me when I’m not in my office and is in general a much better way to leave messages for me than by voice mail.

Web: http://www.math.unl.edu/~tmarley/math107 I will post all handouts, homework, and exams on this page.

Text: Calculus, 5th ed., by Hughes-Hallet et al.

ACE Outcome 3: This course satisfies ACE Outcome 3: “Use mathematical, computational, statistical, or formal reasoning (including reasoning based on principles of logic) to solve problems, draw inferences, and determine reasonableness.” Your instructor will provide examples, you will discuss them in class, and you will practice with numerous homework problems. The exams will test how well you have mastered the material. The final exam will be the primary means of assessing your achievement of ACE Outcome 3.

Prerequisites: This is a second semester calculus course. I will assume you have had a thorough treatment of differentiation and its applications, as well as an introduction to integration.

Advanced Placement Program: If this is the first college mathematics course that you have attempted, then you may be eligible for 5 hours of free credit for Math 106, provided you get a grade of C, P or better in Math 107 this semester. To be considered for this credit, you should register with the Department of Mathematics, 203 Avery Hall by Friday, September 7th.

Calculators: A graphing calculator is a useful tool for this course, and the TI-83, TI-84 and TI-86 are recommended. However, no calculator having a built-in computer algebra system (CAS) will 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 330.

Math Resource Center: Students are encouraged to use the Mathematics Resource Center (MRC) in Avery 13B if they have questions related to this course, or as a place to meet and discuss group projects. The hours for the MRC are MTWR 12:30–8:30 pm, Fri 12:30–2:30 pm, and Sun 1:00-5:00 pm.
**Homework Notebook:** (75 points) Homework problems will be assigned from the attached syllabus. Occasionally, I will add additional problems to this list. You are to work these problems and write them up neatly in an organized fashion in a spiral or 3-ring notebook. These notebooks will be collected three times during the semester (typically the week following each exam) and spot-checked for accuracy and completeness.

**Quizzes:** (75 points) There will be one 15-minute quiz given each week in which we don’t have an exam.

**Gateway Exams:** (50 points) There will be two “Gateway Exams”, one on differentiation and one on integration, which will be taken online in the Arts and Sciences testing center.

**Project:** (50 points) There will be a written project due towards the end of the semester. This will be assigned sometime after the first exam.

**Exams:** (500 points) There will be three midterm exams given during the semester, dates to be determined. Typically the first exam will be during the fourth or fifth week of the semester. (It usually works best if we can hold these exams outside the normal class period to allow for more time. We will discuss this to see if it is feasible.) There will also be a two-hour comprehensive final on Thursday, December 13th, 10am – noon, in OldH 208. The three midterms will each be worth 100 points and the final will be worth 200 points.

**Grading:** Your grade will be based on the number of points you earn out of a possible 750. A: 675-750; B: 600-674; C: 525-599; D: 450-524; F: 0-449.

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

**Students With Disabilities:** Students with disabilities are encouraged to contact the instructor for a confidential discussion of their individual needs for academic accommodation. It is the policy of the University of Nebraska-Lincoln to provide flexible and individualized accommodation to students with documented disabilities that may affect their ability to fully participate in course activities or to meet course requirements. To receive accommodation services, students must be registered with the Services for Students with Disabilities office, 132 Canfield Administration, 402-472-3787 voice or TTY, [http://www.unl.edu/ssd](http://www.unl.edu/ssd).