MAC2313-04 — Calculus III — Spring 2004

- Text: "Calculus – Single and Multivariable", Hughes-Hallett et al. (3nd edition).

- Professor: Dr. Steven Bellenot, Love 002-B, phone 644-7189, email: bellenot@math.fsu.edu

- Class schedule: 1:25-2:15 M, W and 2:00-3:15 T, R, in LOV102.

- Office hours: MW, 12:30-1:10 T 1-1:45; or by appointment.

- Course description: Calculus in more variables with vectors. Our reference will be chapters 12 through 20 of the text.

- Prerequisites: MAC2312 (Calculus II) with a grade of C- or better; or satisfactory completion of at least eight hours of equivalent calculus courses.

- Calculator: The use of the TI-89 graphing calculator is required.

- Communication: It is your responsibility to register for a (free) FSU computer account so that I can send you email, which you are expected to check regularly. If you prefer to read your email elsewhere then you can arrange to have messages forwarded, but you must still obtain an FSU account in the first instance. Please – no cell phones are allowed in class.

- Grading/Exams: Every other week there will be a 5 problem mini-test on Wednesday (Dates: Jan 21, Feb 4, 18, Mar 3, 24, Apr 14). Each mini-test will cover the corresponding period, plus some 'reminder' material from previous period. The final will be given Tue Apr 27 5:30-7:30pm, and will be comprehensive. Your grade will be based on how well you do on the 6 mini-tests (60%), the homework(5%), the project(10%) and the final(25%). Letter grades will be assigned according to the usual scale (A: 90 and above; B: 80 and above; C: 70 and above; D 60 and above; F below 60). Plus/minus letter grades may be assigned to high/low numberical grades. A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.

- Homework: The web page has the complete (but tentative) homework schedule for the semester. Each non-test class period has 5 homework problems plus a harder challenge problem. Tuesday and Thursday students will present the five regular homework problems. Each student will present at least 4 problems over the course of the semester.

- Project: The project for this class is on geodesics. The project will be handled out piecemeal. Varous parts will have due dates throughout the semester with the final comprehensive typed writeup due on Thursday April 8. Other project Milestones are listed on the web based schedule. This project is a group project for groups of 1-4 students.

- Help may be obtained at the Calculus Help Center (114 MCH). However, do not hesitate to come to my office hours, or to contact me via email. I check my email very often, and you can expect prompt answers to any questions you might have.

  Information concerning this class (assignments, an extended syllabus, etc.) will be regularly posted on the web, at http://www.math.fsu.edu/∼bellenot/class/s04/cal3/ You are expected to check this link and your email periodically.

- My best wishes for a very good and very productive semester!

Details

- How I grade problems: It is not enough merely to produce an answer: the method by which you obtain it must be sound, and you must clearly demonstrate that you understand it. Therefore, there will be penalties (commensurate with degree of infraction) for bad presentation – which includes bad grammar, illegibility, incompleteness, incoherence and untidiness –especially on the written assignment. Even on a classroom test, however, you must show all necessary steps in your method, with enough comments and/or diagrams to convince me that you thoroughly understand.

- Test Format: For a classroom test, begin each question (but not subsequent parts of the same question) on a fresh sheet of paper, use one side of the paper only, and have your solutions stapled together in order at the end of the examination (do NOT use dog ears). Similarly for the assignment. (Not owning a stapler is no excuse: I will bring a stapler to every test, and for the assignment you can borrow the stapler in 208 Love.) Needless to say, in either case, your name must appear legibly on Page 1.

- Exam Policy: No makeup tests will be given. Late or unstapled projects will not be normally be accepted. A missed test may be excused if the student presents sufficient verifiable evidence of extenuation circumstances. If a test absence is excused, the the final exam will be used for the missing test grade. And unexcused absence from a test will be penalized. An unexcused missed project assignment will result in a grade of zero. Absences from tests, and miss projects due to family social events will not be excuesd. Acceptable medical excuses must state explicitly that the student should be excused from class. Students must the final examination at the scheduled time. Students must bring FSU ID cards to all tests.

- Honor code: A copy of the University Academic Honor Code can be found in the current Student Handbook. You are bound by this in all of your academic work. It is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. You have successfully completed many mathematics courses and know that on a "test" you may not give or receive any help from a person or written material except as specifically designed acceptable. Out of class you are encouraged to work together on assignments but plagiarizing of the work of others or study manuals is academically dishonest.

- ADA statement: Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class. This and other class materials are available in alternative format upon request.