

STUDENT SYLLABUS**MAC 2313–04****Fall 2002**WEB PAGE <http://www.math.fsu.edu/~bellenot/class/f02/cal3>

INSTRUCTOR The Good Doctor Bellenot

OFFICE 002-B Love ('B' for Bellenot in the Basement)

OFFICE HOURS MW 1:25-2:15pm T 2:00-3:00pm

EMAIL bellenot@math.fsu.eduWEB <http://www.math.fsu.edu/~bellenot>

OFFICE PHONE 644-7189

ELIGIBILITY. You must have the course prerequisites listed below and must never have completed with a grade of C- or better a course for which MAC 2313 is a (stated or implied) prerequisite. Students with more than eight hours of prior credit in college calculus are required to reduce the credit for MAC 2313 accordingly. It is the student's responsibility to check and prove eligibility.

PREREQUISITES. You must have passed MAC 2312 (Calculus II) with a grade of C- or better or have satisfactorily completed at least eight hours of calculus courses equivalent to MAC 2311 and MAC 2312.

FSU COMPUTER ACCOUNT. Every student must get a (free) garnet FSU computer account so as to receive class email. These are obtained from the web page below.

https://register.acns.fsu.edu/CARS/new_accounts.html

You are required to check your garnet email frequently. (Students who prefer to read their e-mail elsewhere can have their garnet e-mail forwarded by filling out the webpage at the URL below.)

<https://register.acns.fsu.edu/CARS/forward.html>

TEXT. Calculus (Third Edition), by Hughes–Hallett, Gleason, McCallum, et al.

CALCULATORS. Students are required to have the TI-89 programmable graphing calculator. Each test will have a problem which requires having this particular calculator. See the course web page for some web pricing.

MATH and TECHNOLOGY: Students will be using the computer for many things including the program Maple to do some of the assignments for this class. Every Thursday's class meets in a computer classroom. Most, if not all, of the computers in the public labs and classrooms have Maple installed. There is a limited web version of Maple available to students at FSU.

COURSE CONTENT. Chapters 12–20 of the text. **FAIR WARNING:** the material will be covered in an order different from the order in the textbook.

COURSE OBJECTIVES. The purpose of this course is to introduce students to more advanced topics in the calculus and some of their applications. The material in this course should be mastered before the student proceeds to courses for which it is a prerequisite.

ATTENDANCE. Attendance is required. It is the student's responsibility to sign the daily roll sheet. Excessive absences will result in a reduction of the student's grade.

GRADING. There will be three unit tests and a cumulative final exam. The instructor will give graded group homework and graded Maple projects. In addition, there will be one or two large two week group projects. Numerical course grades will be determined by the larger of A_{v1} and A_{v2} where $A_{v1} = (6T+3H+3M+4F)/16$ and $A_{v2} = (2T+H+M+4F)/8$, T = unit test average, H = homework average, M = Maple assignments and large project(s) grade, and F = final exam grade. Letter grades will be determined from numerical grades as follows. A: 90-100; B: 80-89; C: 70-79; D: 60-69; F: 0-59. Plus/Minus letter grades may be assigned to high/low numerical 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.

GRADEBOOK. If everything works, a copy of your grades will be online at the following url (each student will have a different CODE).

<http://www.math.fsu.edu/~bellenot/class/s02/cal3/gb/CODE.html>

Your particular **CODE** will be sent to you via email.

EXAM POLICY. No makeup tests will normally be given. Late or unstabled homework or maple projects will not normally be accepted. A missed test, may be excused if the student presents sufficient verifiable evidence of acceptable extenuating circumstances. If a test absence is excused, then the final exam will be used for the missing test grade. An unexcused absence from a unit test will be penalized. An unexcused missed homework assignment, will result in a grade of zero. Absences from tests and missed homework due to family social events will not be excused. Acceptable medical excuses must state explicitly that the student should be excused from class. Students must take the final examination at the scheduled time. Students must bring FSU ID cards to all tests. Hats with brims are not allowed at tests, baseball caps must be reversed.

PROJECT. You will work on the project in groups of 1–4 students. This project will be a substantial assignment, giving you a chance to earn part of your grade in an environment which simulates the so-called “real world” better than does an in-class exam. It will also give your instructor a chance to base part of your grade on your best work, produced in a setting where time should not be a factor (assuming you start on your project as soon as it is assigned). The results of your work on your project will be presented in a report (one report per group). Each member will also submit a “group evaluation” giving their impression of the relative contribution of each member to the group’s effort. These evaluations are due with the project. It is not guaranteed that each member of the group will receive the same grade. The reports will be graded not only on their mathematical content but also on the quality of the presentation: clarity, neatness, and proper grammar are also important. Both reports and group evaluations must be typed. The project will be assigned on (Tentatively) Thursday, October 31 and due on Thursday, November 14.

HOMEWORK. There will be weekly homework assignments to be done in groups like the big project. **Unstabled** homework will not be accepted. There is also a group evaluation due with each homework assignment. The key to success in Calculus is for every student to do every homework problem and perhaps even additional problems.

TEST#1 Tentatively Tuesday September 17

TEST#2 Tentatively Around mid to late October, 17? 24?

TEST#3 Tentatively Thursday, November 21

FINAL EXAM is Thursday 12 December 3:00-5:00 pm (TR12:30 timeslot)

COMPUTER CLASSROOM. No food or drinks are allowed in either classroom but especially not the computer classroom.

MATH HELP CENTER. The Math Help Center is located in 110 MCH (Milton Carothers Hall) next door to the Love Building. The hours of operation will be announced when they are available.

HONOR CODE. The Academic Honor System of The Florida State University 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. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the “Academic Honor System” in its entirety (as found in the [FSU General Bulletin](#) and in the [FSU Student Handbook](#) and ask the instructor to clarify any of its expectations that you do not understand.

AMERICAN DISABILITIES ACT. 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.