INSTRUCTOR The Good Doctor Bellenot

OFFICE: 002-B Love ('B' for Bellenot in the Basement)
OFFICE HOURS: M 1:30-2:15, TR 1:00-1:45 or by appointment
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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.

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

(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

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.

TEXT. Calculus: Single and Multivariable (Second Edition), by Hughes–Hallett, Gleason, McCallum, et al. Note that the book Multivariable Calculus by McCallum, Hughes–Hallett, and Gleason is not acceptable for this course.

CALCULATORS. Students are required to have a programmable graphing calculator. The TI-89 is strongly recommended.

MAPLE and COMPUTERS. Students will be using the computer program Maple to do some of the assignments for this class. Every Wednesday's class meets in a computer classroom. Most, if not all, of the computers in the public labs and classrooms have Maple installed.

COURSE CONTENT. Chapters 11–20 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. Maple is introduced to improve visualization and ease computation.

ATTENDANCE: Attendance is required. 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 large two week group project. Numerical course grades will be determined by the larger of Av1 and Av2 where Av1 = (6T+3H+3M+4F)/16 [Final counts 25%], and Av2 = (2T+H+M+4F)/8 [Final counts 50%], where T = unit test average, H= homework average, M = Maple project (including the large project) 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 will 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.

EXAM POLICY. No makeup tests will normally be given. In a class with quizzes, no makeup quizzes will normally be given. In a class with graded homework, late homework will not normally be accepted. A missed

test, quiz, or homework assignment 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 or 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.

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 Monday October 23 and is due on Monday November 6.

ASSIGNMENTS. Are made only on our web page. The first assignment is already available and is due Tuesday 11 Jan 2000.

TEST#1 Tentatively Tuesday, September 19.

TEST#2 Tentatively Thursday, October 19.

TEST#3 Tentatively Tuesday, November 28 or Thursday November 30.

FINAL EXAM Monday 7:30-9:30 December 11, 2000

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

CALCULUS HELP CENTER. The Calculus 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 no 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.