

DEPARTMENT OF MATHEMATICS
MAC 2233 Sec _____ STUDENT SYLLABUS
SUMMER SEMESTER 2003
E-mail: _____

Instructor _____
Office (Bldg/Room) _____
Office hours by appointment and _____

ELIGIBILITY You must both (1) have the course prerequisites and (2) not have ever passed a course considered “higher.” For FSU continuing students, careful reading of the catalog gives this information. It is the student’s responsibility to check and prove eligibility. Doubts should be resolved during the Drop/Add period, but students entering after that period must still prove eligibility. Ineligible students will not be permitted to receive credit for the course. If the ineligibility is discovered later than the fourth week of a regular term, the student may receive and F in the course. Prerequisite for MAC 2233 is MAC 1141, MAC 1140, MAC 1104, MAC 1105, or equivalent, with a grade of C- or better, or be in old (prior to 5/4/98) AMP Group 1, 2, 3, 3A, 3B, or in newer (after 5/4/98 and before 12/11/98) AMP Group 1, 2A, 3A, 4T, 4, or in the latest (after 1/1/99) AMP Group A3 or A4 or have scored 600 or more on the math SAT test or have scored 26 or more on the math ACT test.

TEXT Calculus for Business, Economics, Life Sciences, and Social Sciences, 9th edition, Barnett, Ziegler, and Byleen, Prentice Hall.

CONTENT Unit 1: 3.1 - 3.7, 4.1; Unit 2: 4.2 - 4.5, 5.1 - 5.3, 6.1, 6.2; Unit 3: 6.5, 7.1, 7.2, 8.1 - 8.3, 8.6. **All tests are comprehensive.**

COURSE OBJECTIVES Calculus is usually thought of as the fundamental building block of the physical sciences, but it is also essential to doing quantitative analysis in the social sciences. The focus of this course is applications problems in the areas of economics, business, and public administration. The student is expected to be able to explain, using proper terminology, the choice of technique and to solve and present applications (“word”) problems such as those in the text.

ATTENDANCE AND DAILY WORK Class attendance is expected of all students without exception. A student absent from class bears the full responsibility for all subject matter and procedural information discussed in class. Whether or not the instructor checks roll, the student’s responsibility is not diminished. Attendance, if checked, may be by roll call, quizzes, or from homework handed in personally. There are daily assignments. If unsure of an assignment, the student should study the next section or two of the text and do all odd problems. There are many short quizzes, and they will often be given without advance notice. Expect each class to meet as scheduled unless notified otherwise by a Mathematics Instructor in person at the beginning of the class period. Students whose names do not appear on the class roll cannot attend classes. **Students are expected to attend classes, and students with excessive absences will not be given a passing grade or a grade of I. Excessive absences will include (a) failure to take more than 50% of the unit tests; (b) failure to take more than 40% of the graded tests/quizzes; (c) absence from more than 30% of classes.**

GRADING There will be three cumulative tests and eight or more short quizzes (in-class or takehome, announced or unannounced). The two lowest quiz grades will be dropped. T_1 = TEST #1 score; T_2 = TEST #2 score; T_3 = TEST #3 score; Q = Percent average of (take-home and in-class) quizzes. Numerical course grades will be determined by the larger of **F1** and **F2** where

$$F1 = (3T_1 + 3T_2 + 3T_3 + Q)/10 \quad \text{or} \quad F2 = (5T_1 + 5T_2 + 8T_3 + 2Q)/20.$$

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|--------------------|--------------------|--------------------|--------------------|
| A = 91.50 or above | B+ = 87.50 - 89.49 | C+ = 77.50 - 79.49 | D = 61.50 - 69.49 |
| A- = 89.50 - 91.49 | B = 81.50 - 87.49 | C = 71.50 - 77.49 | D- = 59.50 - 61.49 |
| | B- = 79.50 - 81.49 | C- = 69.50 - 71.49 | F = below 59.50 |

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**. Academic integrity is essential to academic merit; an **F** in the course should be expected by a student involved in academic dishonesty.

OVER

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.

EXAM POLICY No makeup tests or quizzes will be given. A test or quiz absence may be excused if the student presents sufficient verifiable evidence of acceptable extenuating circumstances. If a test absence is excused, after your documentation has been verified, you will be tested with another section if possible. If not, at the end of the term your Test #3 grade will replace the zero for the excused missed test. If a quiz absence is excused, then the next unit test grade will be used for the missed quiz grade. An unexcused absence from a unit test will be penalized. An unexcused absence from a quiz will result in a grade of zero. Absences from tests and quizzes for family social events will not be excused. Acceptable medical excuses must state explicitly that the holder should be excused from class. Students must bring their FSU ID cards to all test. **PLEASE ASK YOUR INSTRUCTOR IF YOU DO NOT UNDERSTAND THE ABOVE. THE OPERATIVE PHRASE HERE IS “ABSOLUTELY NO MAKE-UP TESTS OR QUIZZES ARE GIVEN.”**

ACADEMIC DISHONESTY Academic dishonesty includes, but is not limited to, the giving or receiving of unauthorized assistance within or outside the classroom, the possession or use of restricted examination materials, plagiarism, or attempts at any of the above. During quizzes or exams, students may not possess or refer to written information (unless specifically authorized by the instructor) or receive oral information. If such information is available to a student during a quiz or exam, a grade of “0” (which cannot be removed by retesting or dropping) will be assigned for the work in question. On graded work done outside of class, plagiarism includes, but is not limited to, stealing, buying, selling, or referring to a copy of an examination before it has been administered. By turning in a quiz or examination, the student in effect pledges that unauthorized assistance has been neither given nor received. All violations of these policies will be reported to the University Judicial Officer and other appropriate University officials. **YOU MUST BRING YOUR FSU ID IN ORDER TO BE ALLOWED TO TAKE ANY TESTS.**

CALCULATORS The student will be expected to have, and know how to use, a calculator with adequate functions for class work, homework, and tests. Almost any scientific, business, or graphing calculator will be permitted. A graphing calculator is not required, however, it is recommended. The types of calculators that are NOT permitted are hand-held minicomputers or laptop computers, electronic writing pads or pen-input devices, pocket organizers, calculators with QWERTY (typewriter-like) keypads (such as the TI-92, HP-95, etc.), calculators with paper tape, calculators that “talk” or make unusual noise, and calculators that require an electrical outlet. During all tests and quizzes, calculators must be out of cases. Calculator manuals may not be used during tests or quizzes.

HELP CENTER 110 MCH; will be open Wednesday, May 14, 2003. Monday - Thursday 1:00 - 7:00 p.m., Friday 1:00 - 4:00 p.m. and Sunday from 2:00 - 5:00 p.m.

MATH DEPARTMENT INFORMATION For information about the Math Department, please go to the World Wide Web at <http://www.math.fsu.edu/~basicmath> .

UNIT TEST DATES

Test #1 date: _____ Test #2 date: _____ Test #3 date: _____

Test #2 will include some Unit 1 material; Test #3 will include some material from Units 1 & 2. Tests #2 & #3 will be 80 minute tests (even in A term); plan accordingly.