

This is a sample syllabus for MAC2233. Students should reference the section syllabus provided at the beginning of the semester for specifics regarding assignments and grade assignments.

DEPARTMENT OF MATHEMATICS
STUDENT SYLLABUS
MAC 2233

INSTRUCTOR:

OFFICE:

e-mail:

home page:

OFFICE HOURS: or by appointment

ELIGIBILITY You will be deemed eligible for this course if (1) you have credit for MAC 1105 (or an equivalent course in College Algebra) with a grade of C- or better, or (2) you have scored in AMP Group A3 or higher, or (3) you scored 600 or higher on the quantitative SAT test or 26 or higher on the math ACT test. Students who have credit for a higher-level math course cannot receive credit for MAC 2233. It is the student's responsibility to check and prove eligibility. Ineligible students will not be allowed to take this course. Advisement assistance is available in 222 LOV.

ATTENDANCE Students whose names do not appear on the class roll cannot attend classes. Attendance is mandatory. Students are expected to attend classes.

TEXT Calculus for Business, Life Sciences and Social Sciences, Barnett/Ziegler/Byleen; Pearson

CALCULATOR POLICY Calculators may not be used on any tests. Any person using a hand-held calculator or a computer calculator on a test/quiz will be given a grade of zero on the test/quiz. A graphing calculator might be helpful for checking homework problems.

COURSE CONTENT

Unit I: 3.1-3.7,

Unit II: 4.1-4.5; 5.1-5.3;

Unit III: 6.1, 6.2, 6.5; 7.1-7.2; 8.1-8.2

Unit IV: 8.3, 8.6

TEST#1: (Day of Week), MM/DD (Unit I)

TEST#2: (Day of Week), MM/DD (Unit II)

TEST#3: (Day of Week), MM/DD (Unit III)

Unit tests will be given in the assigned lab classes during the times indicated above.

FINAL EXAM (Covers Unit I - IV) Final exam is comprehensive.

Students will use an on-line registration program to reserve an exam time of their choice during M-R of exam week. It would be the responsibility of the student to choose a time that does not conflict with the exam times for their other classes (as listed in the Examination Schedule of the Registration Guide.) The registration program would be available beginning at 7 AM on Wednesday, MM/DD. Further information will be available before the registration period begins.

COURSE OBJECTIVES This course is intended to introduce students to calculus concepts that are prerequisites for some advanced topics in business, economics, and social sciences. This course covers limits, continuity, first and higher derivatives, and the differential, with applications to graphing, rates of change, and optimization methods; techniques of integration and applications; introduction to multivariate calculus.

LIBERAL STUDIES FOR THE 21ST CENTURY: The Liberal Studies for the 21st Century Program at Florida State University builds an educational foundation that will enable FSU graduates to thrive both intellectually and materially and to support themselves, their families, and their communities through a broad and critical engagement with the world in which they live and work. Liberal Studies thus offers a transformative experience. This course has been approved for the Liberal Studies disciplinary requirements and thus is designed to help you become a critical analyzer of quantitative and logical claims.

In order to fulfill the State of Florida's College mathematics and computation requirement the student must earn a "C" or better in the course.

LIBERAL STUDIES FOR THE 21ST CENTURY COMPETENCIES: Course will meet both competencies:

- 1) analyze and address problems drawn from real-world scenarios by applying appropriate mathematical, statistical, logical, and/or computational models or principles.
- 2) interpret and evaluate data and information as presented in a variety of modes (such as tables, graphs, and charts), using appropriate technology. They will also be able to clearly communicate a summary of their findings to peers.

These competencies will be evaluated throughout the term on each of the three Unit Tests and the Final Exam.

Students will be evaluated on their ability to communicate a summary of their findings to their peers in this way: This special activity will be conducted in lab class on MM/DD. Students will work together in groups of 2-4 to solve a written set of 3-5 problems. This activity will replace the usual computer "practice" that is done during the first half of the lab class.

The students will work together to discuss strategies and determine the solutions to the problems. Each student will submit a written solution for all the problems. The students would also evaluate the effectiveness of the group and confirm participation and understanding by each member of the group.

The written solutions and group self-evaluations will be graded and will count as a double quiz grade.

Students who miss the activity will be allowed to make-up the absence during the next lab class. For an excused absence, the student will receive full credit; for an unexcused absence, the student will receive half credit. Students who are making up the activity must also take the lab quiz that is scheduled for that day.

PRACTICE TESTS Practice tests are available over the Internet at the following URL: <http://einstein.math.fsu.edu:9233>. The questions on the in-class unit tests will be very similar to questions on the on-line practice tests. Working on-line practice problems is very important.

FREE TUTORING FROM FSU: For tutoring and writing help in any course at Florida State University, visit the Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of tutoring options - see <http://ace.fsu.edu/tutoring> or contact tutor@fsu.edu for more information. High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success, while upholding personal academic integrity. Students should use caution when engaging the services of tutors (or tutoring services) that have no affiliation with FSU. If a tutoring service provides information or materials that violate the Academic Honor Policy, then you, by engaging that service, will be in violation of the Academic Honor Policy. If you provide test details to any individual or tutoring service, then you are in violation of the Academic Honor Policy. You will be asked to give an honor pledge for every graded assignment; please take it seriously.

TEST/QUIZ POLICIES No makeup tests or early tests or quizzes will be given (except for the Liberal Studies Activity). A test absence or quiz absence will be excused only if the student presents sufficient verifiable evidence of acceptable, extenuating, unavoidable circumstances. Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness. An acceptable medical excuse must state explicitly that the holder should be excused from class. Students missing class because of a family death must show evidence of the death and evidence of the relationship to the deceased. Students will not be given excused absences to attend family functions or non-university activities. **NOTE:** Car trouble, appointments of any kind and “family emergencies” are not considered excused. Also, no tests or quizzes that have been taken, will be dropped nor replaced.

The Final Exam grade may be used to replace ONLY ONE missed unit test. For an excused, verifiable absence, the final exam grade (which is comprehensive) replaces the missed unit test grade. For an unexcused absence, the Final Exam grade minus a penalty will replace the missed unit test. If you miss two unit tests for any reason (excused or unexcused), then you need to drop the course. The Final exam grade can not substitute for two unit tests. If you miss ONE quiz for an excused, verifiable reason, then no grade will be assigned to the missed quiz (i.e. it will not count in your quiz average). For subsequent quiz absences (excused only), the student must see the instructor. A grade of zero will be assigned for an unexcused quiz grade. NOTE: car trouble, appointments of any kind, and “family emergencies” are not considered excused. Also, no tests or quizzes that have been taken, will be dropped nor replaced.

IMPORTANT NOTE: The student must stop by my office with the documentation for any excuse within one (1) week of the student’s return. **Please note:** I don’t accept any documentation for any excuse in lecture, lab class or by email.

VERY IMPORTANT – PARTICIPATION REQUIREMENT: This course has a participation requirement measured by attending lecture and lab assignment completion.

Students are in danger of failing the course if they miss more than 2 quizzes (lab, lecture quizzes which includes attendance and take home quizzes; excused or not). Your final course average will be reduced by 1 point for each additional quiz missed beyond 2. No exceptions. (Even if a student has an excuse for a missed lab quiz or a lecture quiz which includes attendance and take home quizzes that still counts as a missed quiz.)

GRADING There will be three unit tests, a cumulative final examination, and several short quizzes. Numerical course grades will be determined by the larger of Av1 and Av2 where

$$Av1 = (6U+Q+3E)/10 \qquad Av2 = (4U+Q+5E)/10,$$

U = test weighted average = $(3T1+4T2+5T3)/12$, Q = quiz average, E = final exam grade. Letter grades will be determined from numerical grades as follows.

A	= 92.50 or above	B+	= 87.50 - 89.49	C+	= 77.50 - 79.49	D+	= 67.50 - 69.49
A-	= 89.50 - 92.49	B	= 82.50 - 87.49	C	= 72.50 - 77.49	D	= 62.50 - 67.49
		B-	= 79.50 - 82.49	C-	= 69.50 - 72.49	D-	= 59.50 - 62.49
						F	= below 59.50

ACADEMIC HONOR POLICY: The Florida State University Academic Honor Policy outlines the University’s expectations for the integrity of students’ academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to “. . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University.” (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>.)

AMERICAN DISABILITIES ACT: Within the first week of classes, students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); and 2) bring a letter to their instructor from SDRC indicating the need for accommodation and what type.

Each student must meet with his/her lecturer to discuss his/her particular situation and the available testing options. Accommodations will be provided within one week of that meeting.

The eGrade software used in this course is not fully accessible for students with visual impairments. Visually impaired students are referred to the SDRC for interim accommodations.

This departmental syllabus and instructor written class materials can be made available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD).
sdrc@admin.fsu.edu
<http://www.disabilitycenter.fsu.edu/>

COMPREHENSIVE FINAL EXAM: The Final Exam is comprehensive. The Final Exam will be given M-R of Exam Week (MM/DD – MM/DD). You will register, on-line, for a final exam time. Exam Registration will open at 7 a.m. on Wednesday MM/DD. Your Final Exam might not be scheduled in your lab classroom, but will be given in one of the four computer equipped classrooms in HTL, in 107 MCH or in 319 HCB. You must schedule an exam time before 12:00 noon on Wednesday MM/DD. During this 3 week period, you will be able to change your exam time, depending on available times. You must check your exam schedule carefully. After final exam registration closes, changes, without penalty, will be made only for conflicts that involve documented changes in the exam schedule for your other classes. That is, changes will be made only if an instructor in one of your classes changes the time of the final exam from that given in the FSU Examination Schedule, and this change conflicts with your selected MAC 2233 exam time. A 10 point penalty will be imposed on your exam for any other changes made after registration closes; this includes students who fail to register before the deadline, changes in travel, or because of airline ticket purchases. The link for the on-line registration will be at the URL is given below. This URL will not open until 7:00 a.m. on MM/DD.

<https://www.math.fsu.edu/secure/bellenot/mac1105/exam/>

SYLLABUS CHANGE POLICY: "Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice."