INSTRUCTOR:  Mr. I. GRIGORIAN
INSTRUCTOR'S HOME PAGE:  http://www.math.fsu.edu/~grigor (then click on MAC 2233 for Bus. Calc. page)
E MAIL ADDRESS: grigorian@math.fsu.edu
OFFICE:  108-D MCH
OFFICE HOURS:  MW: 1-2 pm ; TR: 2-3 pm ; 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 after January 1999.  Students who have credit for a higher-level math course cannot receive credit for MAC 2233.  You will also be deemed eligible for this course if you take the ALEKS test and score a grade of 61% or higher.  For any additional information, please go to http://www.math.fsu.edu/~bellenot/ALEKS/.  If you have been told by the Mathematics Department that the ALEKS test is required and you do not take it, then the Mathematics Department may drop you from the course.  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 205-D LOV.

ATTENDANCE:  Students whose names do not appear on the class roll cannot attend classes.  Attendance is mandatory, students are expected to attend classes (please read PARTICIPATION REQUIREMENT)

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

CALCULATOR POLICY  Calculators may not be used on any tests/quizzes.  Any person using an unauthorized calculator on a test/quiz will be given a grade of zero on the test/quiz.  A graphing calculator is recommended for checking homework problems.

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.

LIBERAL STUDIES FOR THE 21ST CENTURY COMPETENCIES:  Students will demonstrate the ability to: Analyze problems drawn from real-world scenarios by interpreting and evaluating data and applying appropriate mathematical, statistical, logical, and/or computational models or principles, using appropriate technology, and explaining the results.

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

INTERNET ADDRESSES:
http://www.math.fsu.edu/~basicmath (useful information)
http://einstein.math.fsu.edu:9233 (practice tests)
COURSE CONTENT
Unit I: 3.1-3.7, 4.1
Unit II: 4.2-4.5; 5.1-5.3; 6.1
Unit III: 6.2; 6.5; 7.1-7.2; 8.1-8.2
Unit IV: 8.3, 8.6

TEST #1: Wednesday, February 14 (Unit I)
TEST #2: Wednesday, March 28 (Unit II)
TEST #3 Wednesday, April 25 (Unit III)

PLEASE NOTE (VERY IMPORTANT):
1- YOU MUST KNOW YOUR SECTION NUMBER (CHECK YOUR SCHEDULE)
2- YOU MUST ATTEND THE LECTURE YOU REGISTERED FOR
3- YOU MUST ATTEND THE COMPUTER LAB YOU REGISTERED FOR.
4- YOU MUST TAKE THE QUIZ/TEST WITH YOUR SECTION ONLY.
5- ALL THE UNIT TESTS WILL BE GIVEN IN COMPUTER LAB.
6- Please check your typing carefully and carefully follow the instructions when practicing free response questions. We are not responsible for any typo mistake you might make on the free response questions.
7- Cell phones, ipods, and any similar devices are NOT ALLOWED in lecture and Labs.
8- STUDENTS MUST BRING FSU ID CARDS TO ALL TESTS/QUIZZES.

COMPREHENSIVE FINAL EXAM: The Final Exam is cumulative (covering Unit I - IV). Your Final Exam might not be scheduled in your recitation classroom, but will be given in one of the four computer equipped classrooms in HTL (104, 105, 113, 114) or in 107 MCH or in 319 HCB. The Final Exam will be given M-R of Exam Week (April 30 – May 3). You will register on-line for a final exam time. Exam Registration will open at 7 a.m. on Wed. March 28. You must schedule an exam time before 12:00 noon on Wed. April 18. During this 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 the Exam Schedule given in the University’s Registration Guide Spring 2018 and this change conflicts with your selected MAC2233 exam time. A penalty, of 10 points will be imposed on your Final Exam grade 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 on my home page at http://www.math.fsu.edu/~grigor (then click on MAC 2233 page).

IMPORTANT: YOU NEED TO USE YOUR EMPLID NUMBER (9 digit number) TO REGISTER FOR THE FINAL EXAM TIME. Also, you need to use EMPLID number to take test/quiz on e grade.

HOMEWORK PROBLEMS Working homework problems should help students understand the course material and prepare for tests.

PRACTICE TESTS Practice tests are available over the Internet at the following URL: http://einstein.math.fsu.edu:9233. Attending lecture (and taking good notes) and working on-line practice problems are very important. Please, always try to print a copy of the practice quiz/test as soon as it is available on line.

TEST/QUIZ POLICIES: No makeup tests or early tests or quizzes will be given. A test or quiz absence will only be excused if the student presents sufficient verifiable evidence of acceptable, extenuating, unavoidable circumstances. 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 absence to attend family functions or non-university activities. NOTE: car trouble, appointments of any kind, and “family emergencies” are not considered excused.

**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.)

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.

**IMPORTANT NOTE:** The student must stop by my office with the original documentation for any excuse within one week of the student’s return.

(Please note: I don’t accept any documentation for any excuse in lecture, lab class or by e mail)

**GRADING:** There will be three unit tests, a cumulative final examination, and several short quizzes (some short quizzes and attendance quizzes may be given in lecture without notice). No quiz or test grades will be dropped.

Numerical course grades will be determined by the larger of Av1 and Av2

\[
Av1 = (6U+Q+3E)/10 , \quad Av2 = (4U+Q+5E)/10
\]

U = weighted test average = \((3T1+4T2+5T3)/12\), Q = quiz average, E = final exam grade.

Letter grades will be determined from numerical grades as follows:

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<thead>
<tr>
<th>Letter</th>
<th>Minimum</th>
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<tbody>
<tr>
<td>A</td>
<td>92.50 or above</td>
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<tr>
<td>A−</td>
<td>89.50 - 92.49</td>
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<tr>
<td>B+</td>
<td>87.50 - 89.49</td>
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<tr>
<td>B</td>
<td>82.50 - 87.49</td>
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<tr>
<td>B−</td>
<td>79.50 - 82.49</td>
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<tr>
<td>C</td>
<td>77.50 - 79.49</td>
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<tr>
<td>C+</td>
<td>72.50 - 77.49</td>
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<td>D−</td>
<td>59.50 - 62.49</td>
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<tr>
<td>D</td>
<td>62.50 - 69.49</td>
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<tr>
<td>D−</td>
<td>59.50 - 62.49</td>
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<tr>
<td>F</td>
<td>below 59.50</td>
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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.

ACADEMIC DISHONESTY: 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://dof.fsu.edu/honorpolicy.htm)

The academic honor system is followed strictly. Students possessing unauthorized notes, using prohibited calculators, or giving/receiving unauthorized assistance on an exam will be dealt with according to FSU Honor Code policy.

AMERICAN DISABILITIES ACT: Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class.

Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided.

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).
Email: sdrc@admin.fsu.edu
Home Page: http://www.disabilitycenter.fsu.edu/

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.”