DEPARTMENT OF MATHEMATICS
STUDENT SYLLABUS
MAC 2233
Fall 2019

TR Lectures
W Labs

INSTRUCTOR: Dr. Yaineli Valdes

e-mail: valdes@math.fsu.edu   **Home Page:** http://www.math.fsu.edu/~valdes/MAC2233_F19/

OFFICE: 115B-MCH

OFFICE HOURS: Refer to "Office Hours Information" on our course home page or on Canvas

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 https://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.

COMPUTER ASSISTED-INSTRUCTION COURSE This is a computer-assisted-instruction course. All tests and quizzes will be taken over the Internet; some assignments must be completed outside of the lab classrooms. If you do not have Internet access at home, then you will have to arrange time in your schedule to work on campus. Chrome is the recommended browser, followed by Firefox and then Safari.

COURTESY AND STUDENT CONDUCT CODE Students are expected to get to class on time and not to leave class until class has been dismissed. If you must leave class early, please let your instructor know before class begins. Students whose names do not appear on the class roll cannot attend classes. Self-restraint, courtesy, and consideration for fellow students and the lecturer are important. Students may not alter the desktop, edit software preferences, or any other way tamper with the computers and software in the HTL classrooms. Violators will be reported to the University Judicial Officer for violation of the Student Conduct Code.

TEXT Calculus for Business, Economics, Life Sciences and Social Sciences, Barnett/Ziegler/Byleen; Pearson 14th Edition: MyMathLab Access Code (**ISBN: 9780134856797)**

MyMathLab access is required for this class. MyMathLab includes e-book access when you register in MyMathLab through your Canvas Lab Class site. A print version of the text is optional. Students that have purchased access for a course using a different text (for example, MAC1105) will need to purchase access for the Barnett/Ziegler/Byleen text.

There is a two-week grace period in which students may access all online content before paying for access. It is recommended that students try the online options before deciding whether or not to purchase the loose-leaf textbook in addition to the access code for the online content. This is also recommended in case students drop the course during the drop/add period.

To purchase online access only, students may pay using a credit card or PayPal when registering for MyMathLab, or they may purchase an access card from the FSU Bookstore. Students who want to purchase the print version of the text have the option of purchasing a hardcopy of the text through MyMathLab for $50 extra. Students can also

purchase the loose-leaf text bundled with the access code for MyMathLab at the FSU Bookstore (but this option may cost more).

All Tests and Quizzes in MAC2233 will be taken using MyMathLab. It is the student's responsibility to have purchased access and entered the access code before the third week of classes (before the grace period is over). There will be no extensions nor excused absences for not acquiring access or for not remembering login credentials.

MyMathLab registration information can be found at the MAC2233 Course Site:
http://www.math.fsu.edu/~valdes/MAC2233_F19/

ATTENDANCE Attendance at each class is expected of all students without exception. Studies show that students who attend class get higher grades than those who skip classes. A student absent from class bears the full responsibility for all subject matter and procedural information discussed in class.

The classroom response system **Learning Catalytics** will be used in lecture class to earn extra credit participation points on your quiz average (more details on this below under GRADING). Learning Catalytics is included in your MyMathLab subscription. I will walk through Learning Catalytics on the second day of class to help you set up your account.

Everyone will be given 4 Learning Catalytics points. These points will cover up to **4** lecture class absences (excused or not) or days when your phone battery dies, etc. No further allowance will be made, unless you have an extended illness that causes you to miss more than 4 lecture class days.

CALCULATOR POLICY The only authorized calculator allowed during in-class Tests and Quizzes is the calculator available on the computers in the HTL/MCH/HCB classrooms. Absolutely NO other calculators are allowed! The use of unauthorized calculators is a violation of the Academic Dishonesty policies and will be dealt with accordingly.

COURSE CONTENT

Unit I: 2.1-2.5, 2.7, 3.1	TEST #1: Wednesday, September 25 (Unit I)
Unit II: 3.2-3.4, 3.7; 4.1-4.2, 4.4-4.6	TEST #2: Wednesday, October 23 (Unit II)
Unit III: 5.1-5.2, 5.4-5.5; 6.1-6.2; 7.1-7.2	TEST #3: Wednesday, November 20 (Unit III)
Unit IV: 7.3	

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

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.

PRACTICE PROBLEMS Working practice problems should help students understand the course material and prepare for tests. Practice problems can be found on the MyMathLab homework/practice assignments or on the exercises at the end of each section on the eText.

TEST/QUIZ ABSENCE POLICIES: Students must provide advance notice of absences (when possible) as well as relevant documentation regarding absences to the instructor as soon as possible following the illness or event that led to an absence. Regardless of whether an absence is excused or unexcused, the student is responsible for making up all work that is missed.

See the "University Attendance Policy" below for acceptable reasons for an excused absence.

Any medical excuse must state explicitly that the holder should be excused from class **on day of the absence.** Students missing class because of a family death must show evidence of the death. Note that students will not be given excused absences to attend family functions or other non-academic events. Official University activities include official events at which the student is representing the University, such as athletic competitions and academic activities sponsored by a student's academic department or college. Registered Student Organization (RSO's) and Greek Life activities are not considered official university activities.

If a test absence is excused, then a make-up exam will be arranged. An unexcused absence from ONE unit test may have the final exam minus a 20% penalty applied for that test grade. If a student has unexcused absences for more than one exam, then the student must drop the course. The final exam cannot be used to replace more than one exam. If one quiz absence is excused, then that quiz will not count in the student's quiz average. Any additional missed quizzes which are excused will be replaced with the upcoming test grade. An unexcused absence from a quiz will result in a grade of zero. Students must bring FSU ID cards to all exams. No tests or quizzes that have been taken, will be dropped nor replaced.

UNIVERSITY ATTENDANCE POLICY Excused absences included documented illness, deaths in the family and other documented crisis, 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. NOTE: Car trouble, appointments of any kind, and "family emergencies" are not considered excused.

GRADING There will be three unit tests, a final exam, 11 short lab quizzes, and online MyMathLab (MML) homework. No test or quiz grades will be dropped. Numerical course grades will be determined by the larger of Av1 and Av2 where

$$Av1 = (5.5U+Q+0.5H+3E)/10 \qquad Av2 = (3.5U+Q+0.5H+5E)/10,$$

U = test weighted average = $(3T1+4T2+5T3)/12$, Q = percent quiz average, H=percent MML homework average, and E = final exam grade

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

The **Quiz Grade** for this course consists of lab quiz grades. Class attendance will be used as extra credit in computing the Quiz Grade. **No lab quiz grades will be dropped when calculating the Quiz Grade.**

Quiz Average Formula: Students will earn points to bolster their quiz average from work done on MML Learning Catalytics in Lecture Class. No Quiz Grades are dropped. At the end of the semester, your **percentage of MML-LC points** will be multiplied by 200. This is added to the **Sum** of your Quiz grades **before** dividing by total number of quizzes. **Please note: The maximum Quiz Average is 100%.**

$$QuizAvg = \frac{LQ1+LQ2+\cdots+LQ11+(up\ to\ 200\ from\ LC)}{11}$$

The **Homework Grade** for this course consists of MyMathLab homework assignments named xx Homework (where xx is a section number). There are Pre-Homework assignments on MML for each section which are used to personalize your homework assignments. The number of Homework problems may be reduced to only those objectives you do not get completely correct on the Pre-Homework. However, if you start, or open, the Homework for a section before starting the Pre-Homework, the Pre-Homework will not be able to personalize your Homework and you will have to complete all the Homework problems for that section. You have an infinite number of attempts on the Homework assignments and the highest grade from all attempts is the one that will be used.

FINAL EXAM: (Covers Unit I - IV) Final exam is comprehensive. Your Final Exam will be given in one of the four computer equipped classrooms in HTL or in 107 MCH or in 319 HCB. The University Final Exam Schedule

does not apply to MAC2233. The MAC2233 Final Exam will be given M-F of Exam Week (Dec 9-13). Students will use an on-line registration program to reserve an exam time of their choice during M-F 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 12:00pm noon on Wednesday, November 6. You must schedule an exam time before 12:00pm noon on Wednesday, Nov 27. During this 3-week period, you will be able to change your exam time, depending on available times. Further information will be available before the registration period begins. **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 Directory of Classes, and this change conflicts with your selected MAC2233 exam time. **A 15% penalty 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, miss their exam, changes in travel, or because of airline ticket purchases.** The link for the on-line registration will be on my course website.

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 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.)

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.

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/

PRE Program @ ACE: Free Academic Assistance This course will be participating in the Proactive Referral and Engagement (PRE) program (http://ace.fsu.edu/pre), a new initiative at FSU that is supported by the Office of the Provost. The purpose of this program is to give you early academic assistance and advice so that you succeed in this class. Therefore, your course instructor may share information about your class performance with the coordinator of this program, Dr. Samantha Nix, who may reach out to you via email or phone. She is able to connect you to one-on-one assistance with time management, developing a study plan, finding tutoring, and/or connecting with offices to support your success. While you are encouraged to take advantage of any academic support that she offers, you are in no way obligated to respond. If you would like to contact Dr. Nix for assistance yourself, please use the information below:

Samantha Nix
Email: SNix@fsu.edu
Phone: 850-645-4047
Office: William Johnston Building G015
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.

ADDITIONAL INFORMATION ABOUT MAC2233

LECTURE: At this time, the instructor will present new material and examples. Prepared lecture notes are on the course website with a tentative schedule for lecture classes. The schedule may be adjusted as the semester progresses, so check the schedule regularly. Either download and print the notes and bring to class; or write down the definitions, theorems and formulas and bring to class; or download and save on a smartphone or tablet to view in class. Remember to turn all sounds off on electronic devices. Lectures will follow the lecture notes and we will fill in most of the blanks, though not all, in lecture. Students are expected to complete the assignments from the previously covered material before the next lecture. **Mathematics builds on itself and mastery of the previous material is needed to learn the new material**.

In order to prepare for lectures, read the section(s) in your e-book text before class to become familiar with the content. After class, review your notes before completing the practice from the section(s) covered in lecture on My Math Lab (MML). Plan to work problems in MML on a daily basis. Doing problems and keeping up with the material is an important part of any mathematics course. **Regular and thoughtful working of online practice problems with an emphasis on learning the math concepts and allowing time to ask questions is very important to your success in this course.**

An internet capable device will be required for lecture attendance. In lecture, we will use the *Learning Catalytics* provided with MyMathLab. Students should login to MyMathLab and **join** each *Learning Catalytics* session. Some students bring laptop/tablet to class to use, most use their smartphone. **You may need to change the settings on your device to allow pop-ups and delete cookies/cache. See your section Canvas site for more information.**

Ask questions and seek help when necessary. I am available for help during Office Hours & Help Sessions, or you may seek help from your Lab Instructors, ACE tutoring, or the Learning District. More information can be found on our course website.

LAB CLASS: meets in a computer equipped classroom each **Wednesday**.

The first meeting of your lab class will be **Wednesday, August 28**.
All Unit Tests will be given in Lab Class. Beginning August 28, there will be a Quiz every Wednesday in which no Unit Test is scheduled. All Quizzes and Tests in Lab Class will be given using **My Math Lab**.

On days in which there is no test, students should bring in their notes from lecture, scrap paper, pencils, eraser, and picture ID. The first half of lab class you will have time to practice the objectives on the quiz & ask questions. **On test days students should bring picture ID, pencils and eraser. Scrap paper will be provided. You will have the entire lab time for the Test. No notes are allowed.**

> *Important: You must attend the Lab section for which you are registered.*
> *You may change sections only during DROP/ADD.*

Mark all Quiz & Test dates on your calendar. Quizzes and Tests must be taken in your section meeting time.