

STUDENT SYLLABUS

MAC 2311

Spring 2020

INSTRUCTOR: Amod Agashe, email: agashe@math.fsu.edu, office: LOV 216 (enter through 208)

RECITATION INSTRUCTOR: Tejas Natu, email: tmn17b@my.fsu.edu, office: MCH 401 A

OFFICE HOURS: To be announced (see the course webpage below for latest information)

COURSE WEBPAGE: <http://www.math.fsu.edu/~agashe/calc1.html>

Please do not use Canvas for any information other than to check your grades on tests and quizzes.

ELIGIBILITY: You must have the course prerequisites listed below and must never have completed with a grade of C- or better any course for which MAC 2311 is a prerequisite. Students with prior credit in college calculus may be required to reduce credit for MAC 2311 accordingly. It is the student's responsibility to check and prove eligibility.

PREREQUISITES: You must have passed MAC 1140 (Precalculus) and MAC 1114 (Trigonometry) with a grade of C- or better in each or have appropriate transfer credit. Placement in AMP Groups A4 and T3 (or A4 and T2 if you are currently taking trigonometry) also satisfies the prerequisite. Additionally, a score of at least a 76% on the ALEKS Placement exam with a Trig Subscore of at least 41% places a student in MAC2311. Students with a Trig Score lower than 41% need to take MAC 1114 either before or petition the Math Department to take Trigonometry at the same time as MAC 2311. It is recommended that students with an ALEKS Trigonometry Subscore of 41-55% take Trigonometry before MAC2311. ALEKS must be taken before starting Mathematics at FSU and within a year of the current semester to be used for eligibility in MAC2311. Students with an AP Calculus score of 3 or better are eligible for MAC2311. In case of further questions, contact Jennifer Anderson (Office: LOV 205-D, Phone: (850) 644-5868, Email: anderson@math.fsu.edu).

COURSE DESCRIPTION: This course covers polynomial, trigonometric, exponential, and logarithmic functions; first and second derivatives and their interpretations; definition and interpretation of the integral; differentiation rules; implicit differentiation; applications of the derivative; anti-derivatives; fundamental theorem of calculus.

LEARNING OBJECTIVES: The purpose of this course is to introduce students to calculus and to demonstrate its usefulness in selected applications. The material in this course should be mastered before the student proceeds to courses for which it is a prerequisite.

TEXT: Calculus (Early Transcendentals) (Eighth Edition), by James Stewart. More information about the text and WebAssign, including purchase options, is at the link

<https://www.math.fsu.edu/~pkirby/calctext/>

COURSE CONTENT: Most of Chapters 2–6 of the text.

GRADING: There will be three unit tests, occasional short quizzes, and a final exam. The unit tests are *tentatively* scheduled for Jan 31, Feb 14, and March 27 during the lecture. The final is scheduled on April 30 (Thursday) 3 – 5pm. The dates for the unit tests will be finalized and announced in the second week of classes. If you have serious objections to any of the dates above, then email the instructor by the end of the first week of classes. Each quiz date will typically be announced in class the week before the actual quiz. You will get to drop your worst quiz grade. The overall grade will be calculated based on the following weights: the first unit test: 18%, second unit test: 20%, third unit test: 22%, quizzes: 7%, and final: 33%. Homework will be assigned, but not collected or graded. However, it is important that you do homework on a regular basis to do well in the exams. 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 or minus

grades may be assigned. 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: 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. A medical excuse must state explicitly that the holder should be excused from class. 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 Organizations (RSOs) and Greek Life activities are not considered official university activities.

No makeup tests or quizzes will normally be given. If a test absence is excused, then the final exam grade may, at the instructor’s discretion, be substituted for the missing test grade. If a quiz absence is excused, then the next test grade will be used for the missing grade. An unexcused absence from a unit test will be penalized. An unexcused absence from a quiz will result in a grade of zero. Students must bring FSU ID cards to all tests.

UNIVERSITY ATTENDANCE POLICY: 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.

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>.)

AMERICANS WITH 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.

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.

This syllabus and other class materials are 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/>

TUTORING FOR MATH: On-campus tutoring and writing assistance are available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services: go to <https://ace.fsu.edu/tutoring> or or contact tutor@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.