STUDENT SYLLABUS **MAC 2311-01: Calculus 1** **Spring 2015**

Instructor: Joe McKenna

Office: Milton Carothers Hall (MCH) 402-F

Office Hours: M 9-10am, T 9:30-10:30am, W 3-4pm

Class Location and Time: Love Building (LOV) 106, M 8-8:50am, T 8-9:15am, R 8-9:15am

Class webpage: `http://www.math.fsu.edu/~jmckenna/calc`

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.

Textbook: Calculus: Early Transcendentals (Seventh Edition), by James Stewart

Course Content: Chapters 2–6 of the text.

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. This course must be taken for reduced credit by students with prior credit for some of the content.

Course Objectives: Calculus is the study of small-scale (differential) and of large-scale (integrated) quantities. Differentiation, understood via derivatives as a rate of change, is inversely related by the Fundamental Theorem of Calculus to integration, understood via integrals as a cumulative sum. By the end of the course, students should demonstrate competency in using differentiation, integration, and other tools commonly used in calculus to solve various problems that arise in the sciences.

Grading: There will be four unit tests, weekly homeworks, occasional short quizzes, and a final exam. Numerical course grades will be determined according to the formula (60U+7.5H+7.5Q+25F)/100 where U = unit test average, H = homework average, Q = quiz average, and F = final exam. 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. Unit tests and the final exam will be given on the following dates:

- Test 1: Thursday, January 29.
- Test 2: Thursday, February 19.
- Test 3: Thursday, March 19.
- Test 4: Thursday, April 16.
- Final Exam: Monday, April 27, 7:30-9:30am

Makeup Policy: Late homework will not be accepted. No makeup tests or quizzes will be given. A missed test or quiz may be excused if the student presents sufficient verifiable evidence of acceptable extenuating circumstances. If a test absence is excused, then the final exam will be used for the missing

test grade. An unexcused absence from a unit test will be penalized. An unexcused absence from a quiz will result in a grade of zero for that quiz. Absences from tests and quizzes due to family social events will not be excused. Acceptable medical excuses must state explicitly that the student should be excused from class. Students must take the final examination at the scheduled time. Students must bring photo 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.

Tutoring For Math: Tutoring is available for this course via ACE Tutoring at the Learning Studio in the William Johnston Building. Appointments may be made, and drop-ins are welcome for one-on-one and group tutoring. Please contact the ACE Learning Studio at tutor@fsu.edu, 850-645-9151, or find more information at http://ace.fsu.edu/tutoring.

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. This should be done during the first week of class.
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/`

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.