DEPARTMENT:  MATHEMATICS

<table>
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<tr>
<th>COURSE #:</th>
<th>MAC 2311, 4 credits</th>
<th>COURSE TITLE:</th>
<th>Calculus with Analytic Geometry I</th>
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<tbody>
<tr>
<td>TYPE COURSE:</td>
<td>Required</td>
<td>TERMS OFFERED:</td>
<td>Fall, Spring, Summer</td>
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<th>CATALOG DESCRIPTION:</th>
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<td>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; antiderivatives; fundamental theorem of calculus. This course must be taken for reduced credit by students with prior credit for some of the content.</td>
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<th>PREREQUISITES:</th>
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<td>MAC 1147, Precalculus Algebra/ Trigonometry; or MAC 1140, Precalculus Algebra and MAC 1114, Analytic Trigonometry</td>
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STUDENT SYLLABUS MAC 2311 Spring 2008

LECTURER: Dr. Oberlin
OFFICE: 321 Love
OFFICE HOURS: 11:00-12:00 Monday, Wednesday, Friday
RECITATION INSTRUCTOR: Mr. Willyard

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 Group 1 or 1H (or 2 if you are also taking trigonometry) is also considered to satisfy the prerequisite. AMP Group 3A with prior Precalculus or AMP Group 3B with prior college trigonometry will also work.

TEXT: Calculus (Early Transcendentals) (Sixth Edition), by James Stewart

CALCULATOR: If you want to use a calculator in this course, you may purchase a TI-30X IIS from Walmart or a Casio Scientific Solar Calculator - FX-115MS from Target, each for under fifteen dollars. These can be ordered online, too. They are the only calculators you may use in this course.

COURSE CONTENT: Chapters 2–6 of the text.

COURSE OBJECTIVES: The purpose of this course is to introduce students to calculus and to demonstrate its usefulness in selected applications.

GRADING: There will be four unit tests, short quizzes, and a cumulative final exam. Numerical course grades will be determined according to the formula (4U+Q+2E)/7 where U = unit test average, Q = quiz average, and E = final exam grade. 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 in a manner consistent with standard University practice. 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: 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. If a quiz absence is excused, then the next quiz grade will be used for the missing grade. An unexcused absence from a quiz or test will result in a grade of zero. 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 FSU ID cards to all tests.

NOTEBOOK: You are required to purchase a large spiral notebook for your homework. You
should work all your homework problems in this notebook, neatly and in the order assigned. You
will probably find this notebook to be very useful as you prepare for tests, and you are required
to bring it with you any time you come to see your lecturer or recitation instructor.

ABOUT THIS CLASS: Learning calculus is a lot like running a 6:00 mile - some can do it very
easily, some can do it if they are willing to put in a lot of hard work, and some cannot do it
at all. Your chances of being successful in this course depend on a combination of two factors:
your aptitude for mathematics and your resolve to put forth a sustained, well-directed, and very
substantial effort. You should realize that there have been students with minimal aptitude for
mathematics who have earned strong A’s in Calculus I. They were, however, very serious students
with very mature work ethics who saw learning calculus as a vital step along a road to some larger
personal goal and who were willing to put in as much time as necessary to make it happen. Here
are some characteristics of successful calculus students:

(1) they take responsibility for their successes and for their failures because they know that both
are affected much more by the quality and quantity of their own efforts than by all other factors
(textbook, instructor, TA, etc.) combined;
(2) they understand the difference between actually learning mathematics and just trying to figure
out how to do the problems on the tests, realizing that the first is the path to success and the
second is just one of the many roads to failure;
(3) they realize that today’s textbooks are designed to be read and understood by students and
that reading the book, provided it is done with integrity, may be an even better way to learn than
listening to a lecture;
(4) they do all the assigned homework and do it promptly;
(5) they never skip lectures or recitations.

MATH HELP CENTER: The Math Help Center is located in 110 MCH (Milton Carothers Hall)
ext door to the Love Building. The hours of operation will be posted there when they are available.

TEST#1: Wednesday, January 30.
TEST#2: Wednesday, February 20.
TEST#3: Wednesday, March 19.
TEST#4: Wednesday, April 9.
FINAL EXAM: Friday, April 25, 10:00.

HONOR CODE: The Academic Honor System of The Florida State University is based on the
premise that each student has the responsibilities: 1) to uphold the highest standards of academic
integrity in the student’s own work, 2) to refuse to tolerate violations of academic integrity in the
University community, and 3) to foster a high sense of integrity and social responsibility on the
part of the University community. Please note that violations of this Academic Honor System will
not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any
unauthorized material during examinations will be rigorously pursued by this instructor. Before
submitting any work for this class, please read the “Academic Honor System” in its entirety (as
found in the FSU General Bulletin and in the FSU Student Handbook and ask the instructor to
clarify any of its expectations that you do no understand.

AMERICAN DISABILITIES ACT: Students with disabilities needing academic accommodations
should: 1) register with and provide documentation to the Student Disability Resource Center
(SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations.
This should be done within the first week of class.