MAC 2312 – Sections 08, 09, 10 – Calculus II
Fall 2014 – Course Syllabus

LECTURE MEETS: LOV 101, MWF 2:30pm–3:20pm
RECITATIONS MEET: HCB 307 on Thursdays. Refer to your FSU class schedule to determine when your recitation meets.

INSTRUCTOR: Dr. Monica K. Hurdal
OFFICE: LOV 002-A
EMAIL: mhurdal@math.fsu.edu
WEBPAGE: `http://www.math.fsu.edu/~mhurdal`
PHONE: 644-7183 (office) or 644-2202 (dept. front desk)
OFFICE HOURS: Mon and Wed 1:00pm–2:00pm, or by appointment. Please refer to the course webpage for updated office hour information.

RECITATION INSTRUCTOR: Mr. Liang-Hsuan Tai
OFFICE: MCH 401-A
EMAIL: ltai@math.fsu.edu
OFFICE HOURS: Wed 11:00am-1:00pm, Thurs 11:00am - 12:00pm, or by appointment

ELIGIBILITY: You must have the course prerequisites listed below and must never have completed with a grade of C- or better a course for which MAC 2312 is a (stated or implied) prerequisite. Students with more than four hours of prior credit in college calculus are required to reduce the credit for MAC 2312 accordingly. It is the student's responsibility to check and prove eligibility.

PREREQUISITES: You must have passed MAC 2311 (Calculus I) with a grade of C- or better or have satisfactorily completed at least four hours of equivalent calculus courses.

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

COURSE CONTENT: Chapters 7–11 of the text.

COURSE DESCRIPTION: This course covers techniques of integration, some applications of integration, some topics in differential equations, some topics in analytic geometry, and the elementary theory of sequences and series. The material in this course should be mastered before the student proceeds to courses for which it is a prerequisite.

COURSE OBJECTIVES: Students will demonstrate the abilities to:
(1) analyze and address problems drawn from real-world scenarios by applying appropriate mathematical, statistical, logical, and/or computational models or principles. For example, applications of differential equations to models of population growth will be covered on the second test.
(2) interpret and evaluate data and information, using appropriate technology. They will also be able to communicate clearly a summary of these findings to peers. In particular, students will interpret and explain the concepts required to solve the various problems that arise in the course by making use of the notation and language commonly employed in mathematics and the physical sciences. At least one question on each test will require a written explanation, and the grading of such problems will evaluate both the explanation and the result.

CALCULATORS: A programmable graphing calculator is optional. However, you are likely to be at a disadvantage if you do not have one. Use of graphing or scientific calculators and computers for homework is encouraged. Calculators will be allowed on some, but not all, tests and quizzes.

COURTESY AND ATTENDANCE: I expect you to get to class on time and not to leave class until I have dismissed it. If you must leave class early, please let me know before class begins, and try to sit in a place where you will not disrupt your classmates when you leave. Refrain from using cell phones, computers, or other electronic devices during class lectures as this is distracting to your classmates. I expect you to attend class regularly. 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.

GRADING: There will be three unit tests and a final exam. There will also be short quizzes, graded homework and other assignments. Numerical course grades will be determined according to the formula 45%U+20%Q+35%F where U = unit test average, Q = quiz and graded homework 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.

EXAM POLICY: No makeup tests or quizzes will normally be given. If a test absence is excused, then the final exam score may, at the instructor's discretion, be substituted for the missing test grade. If a quiz or homework assignment is excused, then the missing grade will not be included when calculating the final grade. An unexcused absence from a unit test will be penalized. An unexcused absence from a quiz or homework will result in a grade of zero. Students must bring FSU ID cards to all tests.

TEST DATES: Tentative test dates are:
Test 1: Friday, September 19
Test 2: Monday, October 13
Test 3: Wednesday, November 5
Final Exam: Monday December 8, 7:30am–9:30am, in our usual classroom, as dictated by the FSU Examination Schedule.

PRACTICE HOMEWORK: Practice homework problems will be assigned in class from the text book and online and will be listed on the course web page. Students are expected to have done (at a minimum) the assigned homework as we will spend time in class discussing some of the homework. Students will also be asked to present solutions on the board. Students are encouraged to work problems not specifically assigned.

QUIZZES and GRADED HOMEWORK: There will be quizzes, based on the practice homework, which will be completed either in class or online. There will be other graded homework assignments with specified due dates which will form part of your quiz grade. Your worst quiz/homework grade will be dropped from your quiz average. A missed quiz/homework will act as your worst quiz. Practice homework presented in class will also form part of your quiz grade.

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/

LIBERAL STUDIES FOR THE 21ST CENTURY PROGRAM: 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 offers a transformative experience; this course has been approved as meeting the Liberal Studies requirements and thus is designed to help you become a critical analyzer of quantitative and logical claims. In order to fulfill the State of Florida's College mathematics and computation requirement the student must earn a C or better in the course.

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.