Syllabus for: Math 50B Integral Calculus

Semester & Year:	Fall 2013
Course ID and Section Number:	MATH-50B-E3886
Number of Credits/Units:	4 Units
Day/Time:	MWF 11:40AM-12:55PM
Location:	SC208
Instructor's Name:	Jackson
Contact Information:	Office: SC 216E Tel: 476-4219

Course Description (catalog description as described in course outline):
The second in the series of three calculus courses. Integral Calculus develops a set of advanced symbolic and numerical integration techniques, building on skills developed in the first course in the series, Differential Calculus. The course includes applications of integration, sequences and series, and the use of the Taylor polynomial to approximate functions. Students are introduced to parametric and polar equations.

- **Student Learning Outcomes (as described in course outline) :**
    1. Apply the concepts of the derivative and integral to solve real-world problems and applications.
    2. Use graphing technology to visualize functions, explore mathematical concepts, and verify results.
    3. Write solutions to mathematical exercises using sound mathematical reasoning with appropriate use of numerical, graphical, and symbolic representations.

Special accommodations: College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.

The student code of conduct is available on the College of the Redwoods website at:
http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf

Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods homepage.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Prerequisite Course
Differential Calculus with a grade of "C" or better.

Text Book

We will be using *Calculus, Early Transcendentals, 5th Edition,* Stewart. There are also student solution manuals that accompany the book. The first volume has the solutions that are needed for math 50A and 50B. The second has the solutions for the problems in 50C. If you decide to purchase the solutions manual, **MAKE SURE** that you get the *correct* solutions manual.

Calculators A graphing calculator is required for the course. I recommend a TI83 or a TI84. If, however, you already have a calculator bring it to me to see if it will work for the course. The Math Department also has calculators that it rents to students. For more information on renting a calculator go to the following link:

Homework: There will be a combination of daily homework and "written homework". Daily homework will be assigned at every class meeting is typically due at the next class meeting. Daily homework will be graded on completion and appearance. Written homework will be more carefully graded.

Exams: There will be several mid-term exams plus the comprehensive final given this semester. Please see me before each exam if special arrangements are needed. The final exam will given only at the allotted time on the finals schedule. Make travel plans accordingly.

Grading: Homework   20%

           Exams   80%

Grades will be assigned as follows:

93 - 100%	A
90 - 92.9%	A-
86 - 89%	B+
83- 85.9%	B
80 - 82.9%	B-
76 - 79.9%	C+
70 - 75.9%	C
60 - 69%	D
Below 60%	F

Canceled Classes: Call 476-4210 wait for the greeting, then press 5, to check on any classes that may be canceled with the MSE division. Given the hour of our class, I will attempt to send an email to everyone either the night before or that morning if class is to be canceled.

The above information is subject to change depending on class circumstances.