Syllabus for Math50B Integral Calculus – Eureka Campus

Semester & Year	Fall 2016
Course ID and Section #	MATH-50B-E0724
Instructor's Name	Steve Jackson
Day/Time	MTWTh 4:30PM-5:35PM
Location	LRC 105
Number of Credits/Units	

Contact Information	*Office location*	SC216L
	Office hours	TBA
	Phone number	476-4219
	Email address	Steve-jackson@redwoods.edu
Textbook Information	*Title & Edition*	Calculus Early Transcendentals Fifth Edition
	Author	James Stewart
	ISBN	0-534-39321-7

Course Description

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.

A graphing calculator is required.

Student Learning Outcomes

1. Evaluate definite and indefinite integrals using a variety of integration formulas and techniques including the evaluation of improper integrals.
2. Apply integration to areas and volumes, and other applications such as work or length of a curve.
3. Apply convergence tests to sequences and series and represent functions as power series.
4. Graph, differentiate and integrate functions in polar and parametric form

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 at 707-476-4280.

Academic Support

Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended

[Opportunity Programs & Services](#), for eligible students, with advising, assistance, tutoring, and more.

Academic Honesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.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 website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
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Emergency Procedures for the <u>Eureka </u>campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at: (http://www.redwoods.edu/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ In an emergency that requires an evacuation of the building:
- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to https://www.GetRave.com/login/Redwoods and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

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 considered 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/Quizzes   80%

Grades will be assigned as follows:

Percentage	Grade
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

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

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.