Syllabus for Math 50B Integral Calculus – Eureka Campus		
Semester & Year	Spring 2018	
Course ID and Section #	Math 50B E3497	Math 50B D3498
Instructor's Name	Mike Haley	
Day/Time	Monday, Wednesday, Friday 11:40-12:55	
Location	LRC 105	DM 28
Number of Credits/Units	4	
Contact Information	*Office location*	CA 130
	Office hours	Monday 10:50-11:30, Tuesday 10:30-11:30, Wednesday 10:30-11:30 Thursday 10:30-11:30
	Phone number	476-4352
	Email address	mike-haley@redwoods.edu
Textbook Information	*Title & Edition*	Calculus Early Transcendentals (5th Ed)
	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.

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: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services, and scroll to AP 5500. 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: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services and scroll to AP 5500.
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Emergency Procedures for the Eureka 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/aboutcr/Eureka-Map; choose the evacuation map option). For more information on Public Safety, go to http://www.redwoods.edu/publicsafety. 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.

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.

Welcome to Calculus II

Course Materials

- Textbook—available in the CR Library to be checked out for the entire semester.
- Graphing Calculator. You may rent a TI-84 from the LRC.
- Bound Notebook with Grid Paper to develop a Reference Book.
- Access to a modern computer from which you can interact with Canvas, Mathematica, and other resources. The college uses your "mycr.redwoods.edu" account to interact with you. Assignments will be posted on Canvas, and some assignments will require that you post to the Canvas site.

Grading

There are four grade categories of this class that consist of Homework, Classroom Assignments, Exam & Quizzes, Reference Book and Participation.

To receive a A- in this course requires the following

- 90% of Homework Assignments are completed satisfactorily,
- 90% of Classroom Activities are completed satisfactorily,
- Exam and Quiz average is 85%,
- Reference Book is excellent and represents ¾ of material covered.
- Participation is excellent.

To receive a B- in this course requires the following

- 80% of Homework Assignments are completed satisfactorily,
- 80% of Classroom Activities are completed satisfactorily,
- Exam and Quiz average is 75%,
- Reference Book is excellent and represents ½ of material covered.
- Participation is excellent.

To receive a C in this course requires the following

- 70% of Homework Assignments are completed satisfactorily,
  70% of Classroom Activities are completed satisfactorily,
- Exam and Quiz average is 65%,
- Reference Book represents basics of material covered.
- Participation is excellent.

To receive a D in this course requires the following

- 60% of Homework Assignments are completed satisfactorily,
  60% of Classroom Activities are completed satisfactorily,
- Exam and Quiz average is 60%,
- Reference Book exists.
- Participation is excellent.

Expectations
I expect that all students that remain enrolled in this class agree to actively participate in discussions and activities, and directly engage the material and other people in the course with a positive attitude.

I expect that everyone is treated with respect in our class. Please go out of your way to be considerate of others since this will enhance the quality of the learning environment in our classroom. I expect that you use cell phones and computers appropriately and in a manner that does not disturb any fellow students or the instructor; this implies that at the very least there should not be any sound coming from your cell phone and you only utilize applications that have course content related material.

To learn the material that will be presented this semester may require **fifteen or more hours** each week.

Additionally, you should be on time to class and avoid leaving early in order to minimize disruption. If you are asked to leave the class, then be sure to visit me in the office and be prepared to write a paper before returning to class. The Student Code of Conduct addresses many issues that arise on a college campus and you should be aware of the agreement that you have made as an enrolled student.

Homework
Homework is a regular and consequential aspect of math courses. Typically three assignments each week will be assigned and will be graded on completeness, quality of the work, and following the directions. There will be two types of homework problems: Practice Problems (PP) and Written Problems.

All homework is developed for the joy of the student to learn the material. The Practice Problems are intended to allow a student to practice the material without spending time making the solutions look great. Written Problems also allow for practice but also need to be presented in a written format demonstrating mastery of calculus, argument, and presentation.

Review the handout entitled "Guidelines for Homework Assignments."

Quizzes
Quizzes will be an aspect of the course. They will typically be announced in class the day before the quiz. Quizzes are typically not available for make-up.

Classroom Activities
Classroom Activities will occur throughout the semester and will be based upon activities in the classroom. Typically these assignments will also require time outside of the class to complete them.

Attendance
To succeed in a mathematics class you need to attend every class meeting. The CR Catalog defines the equivalent of a week's absence as excessive and the Math Department has determined that missing the equivalent of two weeks of class is cause for being dropped from the class. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. Plan on being in class for the complete duration of the session. Any combination of two occurrences of tardiness or leaving before the end of the course will be considered an absence.

Exams
There will be four exams this semester. The **midterm exams** will be on

- **Monday, February 12, (Week 4)**
- **Monday, March 5 (Week 8)**
- **Monday, April 9, (Week 12)**

The **final exam** will be based upon the college's **Final Examination Schedule**, which looks like it will be on **Monday, May 7**, 2018.

You must be present during this exam period. A handout will be made available before the exams to help you prepare. You must attend and participate in the activities scheduled for exam periods.

Reference Book
During the upcoming semester, each student will develop a Calculus Reference Book (possibly to add to your collection).

Review the handout entitled "Reference Book Guidelines."

Late Work
The four exam dates that are posted in the syllabus and should be followed. Homework due dates will be posted when the assignment is given and are to be submitted at the beginning of the class period. Typically there are no make-up quizzes offered.

Mathematica

Mathematica is a powerful software package created by the engineers at the Wolfram Mathematica. This software can be installed on several platforms, including Linux, Mac OS X, and Windows XP.

Mathematica is installed on the computers in the SC 212 computer lab and on the Computers in the ASC.
To obtain a free version of Mathematica for use on your personal, go to Mathematica at College of the Redwoods. Slide down to where it says Student personally owned machines. Make sure you use Student personally owned machines and not the sections for faculty or campus machine use. Once you are at the section Student personally owned machines, perform each of the following tasks:

1. In number one, part (a), click the user.wolfram.com link and fill out (completely) the form using your @mycr.redwoods.edu email address.
2. Once you have completed the first step, go to step 2 and click on the Fill out this form link to request an activation key. It usually takes less than a day or two to receive an email with an activation key and instructions for downloading and installing Mathematica.
3. If you experience any problems, contact me via a Canvas email.

Disclaimer
While every attempt will be made to keep minimal changes to this document during the semester, like most other things, it is subject to change.

Last update January 17, 2018