SYLLABUS

Course and Meeting Times: Section 34, #3991 12:30-1:45 TuTh, LA5-271
Activities: Section 35 #4119, 8:00-9:50 Mon; and Section 36 #4120, 10:00-11:50 Mon; LA5-153
Instructor: Rebekah Moule
Office: FO3-101 Office phone: (562) 985-4726
Email: rebekah.moule@csulb.edu Email is the preferred method of communication.

Instructor office hours, held in FO3-101:
Tuesdays 11-12, Wednesdays 10:30-11:30, Thursdays 11-12

Additional office hours by appointment only. Any office hour may be canceled due to illness or necessary appointments. Students should therefore not depend upon a faculty member being in his/her office for any particular office hour. Students should consequently secure any necessary signatures or other such requirements well in advance of any deadline.

Prerequisite: Math 122 with a C or better.


Course Learning Outcomes: By the end of the course, you will be able to:
1. correctly apply the standard methods of integration, including substitution, integration by parts, trigonometric identities, trigonometric substitution, and partial fraction decomposition;
2. approximate definite integrals using the Riemann sums, trapezoid rule, Simpson's rule, and series techniques;
3. properly define and evaluate improper integrals to determine whether they converge or diverge;
4. apply integration to compute areas, volume, arclengths, work, forces, centers of mass, and moments;
5. solve first order separable, first order linear, and second order linear differential equations, and apply the solutions of differential equations to calculate population, decay, and temperature;
6. understand the concepts of sequences, series, limits of sequences and series, convergence and divergence of sequences and series, and absolute and conditional convergence of series;
7. compute power, Taylor, and Maclaurin polynomials and series for a function, and apply these ideas to problems in mathematics, science, and engineering.
8. define curves parametrically and in polar coordinates, and perform the standard calculus computations on parametric and polar curves, such as derivatives, integrals, tangents, areas, and arclengths.

Supplemental Text: Differential Equations, by James Stewart
(If the textbook is purchased at the CSULB Bookstore, it includes the supplemental text.)

The material presented in class will not be complete or self-contained; therefore, reading the text is absolutely essential for this course.

Homework: In this class we will use WebAssign for your homework assignments (course key csulb 2883 4430). You need to finish your homework online at http://www.webassign.net/. If you purchased your textbook at the CSULB bookstore, you will have a WebAssign code included in that purchase. Please buy an access code to the WebAssign if you do not have one. Enroll into WebAssign with the name that appears on the class roster. Homework questions will be assigned for each section on WebAssign and each assignment will be equally weighted regardless of their point value. You are expected to know how to answer/solve all of these questions. Answering/Solving these questions is an effective way to prepare yourself for quizzes and tests. It is extremely important that you try to
answer/solve the questions yourself first before getting help. Homework extensions are granted automatically through WebAssign. A two day extension can be granted in the week following the original due date, but the previously unfinished problems will only earn 50% credit.

**Quizzes:** There will be weekly quizzes administered on Mondays at the beginning of the activity session. There will be no makeup quizzes, even for documented excused absences. The lowest quiz score at the end of the semester will be dropped. Quizzes will be equally weighted regardless of their point value.

**Benchmark Tests:** In order to help you with exam preparation, there will be a “benchmark test” the week before every midterm exam. This “benchmark test” will be administered through WebAssign. You will have three tries at each exam, the first of which will be administered during the activity session and will be timed. Any students absent from the activity session will not be allowed to take the first of the Benchmark Tests. The score from the first benchmark test and the best of the second and third tries will be recorded. Benchmark 1a is scheduled for Feb. 8th, 2a for Mar. 7th, and 3a for Apr. 11th.

**Exams:** There will be three midterm exams and a comprehensive final exam. The three exams are tentatively scheduled for Feb. 18th, Mar. 17th, and Apr. 21st. Regular exams will be equally weighted regardless of their point value. A blank green book will need to be brought for each midterm exam. The final is tentatively scheduled for Tuesday, May 10th, 12:30-2:30. The final exam date and time will be confirmed a few weeks prior on the myCSULB final exam schedule.

Only one make-up exam will be given if a student has a documented, CSULB-approved absence (see catalog for details). It is your responsibility to promptly contact the instructor and provide the necessary documentation. The make-up exam will be arranged with the instructor. All exams will be based on the material discussed in class and your homework.

**Supplemental Activity and Maintenance / Improvement:** As part of an initiative to increase student success in MATH 123, the math department has set up Supplemental Activity (SA) tutorial sessions designed to help students who need additional support and practice. There are eight to ten of these sessions every week starting with the second week of classes; the schedule is posted under “Course Content” on Beachboard. The SA program is mandatory for all students (except those specifically exempted), and your attendance will count towards your Maintenance/Improvement credit. If you are exempted from the SA program you will automatically be awarded full credit on Maintenance/Improvement. See “Grading Policy” below for details. Your SA status (“must attend” or “exempt”) will be listed with your grades on BeachBoard. Make sure you are on time (or early) to an SA session and sign in. If you do not sign in, you will not get credit for that week of SA. Note that all students, regardless of exempt status, are invited to attend tutorials.

**Calculator Policy:** You may use a calculator during quizzes and exams unless announced ahead of time that use is prohibited. **Calculator use is restricted to a Scientific model.** Please note that solutions (except arithmetic calculation) from your calculator will NOT be accepted for quizzes and exams. You have to show the critical steps in your solutions in order to receive credit. **All communication devices are prohibited during quizzes and exams.**

**Grade Breakdown:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
</tr>
</thead>
<tbody>
<tr>
<td>WebAssign, Graded “Show Your Work”, Benchmark Exams</td>
<td>15%</td>
</tr>
<tr>
<td>Maintenance/Improvement</td>
<td>8%</td>
</tr>
<tr>
<td>Activities</td>
<td>5%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>3 Exams (3x14%)</td>
<td>42%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
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**Grading Scale:**

90 – 100% = A, 80 – 89% = B, 70 – 79% = C, 55 – 69% = D, 0 – 54% = F.

**Attendance Policy:** Class attendance is expected. It is recommended that you exchange phone numbers with at least one other student in the unlikely event that you are forced to miss one class. If you must miss a class,
make sure you get notes from another student prior to asking for clarification on the lesson from the instructor. Attendance could be used to decide if a student’s total score is near a line between two grades.

**Disabilities:** If a student has a university verified disability, it is the responsibility of the student to notify the instructor in advance for any needs to be accommodated.

**Deadlines:**
- February 1, 2016: **Add/Drop** on my.csulb.edu, drop without a “W” on your transcript
- April 15, 2016: **Drop** a class without Dean’s signature
- May 6, 2016: **Drop** a class with Dean’s signature

Drops after April 15, 2016, require the signature of the Dean of College of Natural Sciences and are generally not approved, except in cases of serious accident or illness.

**Adding the course:** If the student receives permission to register for a closed class section, only the student can enroll in the course. It is therefore the student’s responsibility to complete the registration process before the dates indicated in the **Schedule of Classes**.

**Cheating/Plagiarism:** Cheating and plagiarism are in violation of the California Administrative Code, Title 5, Section 41301. CSULB has adopted a specific policy with respect to the violations of this nature (see the Bulletin or Schedule of Classes). Any student in violation of this code and policy in any assignment or examination related to this course shall be subject to the options specified in the policy statement. This may result in the student receiving a failing grade in the course or, in certain circumstances, being expelled from the University.