Course Overview: A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equations; applications of integration.

Students who successfully complete Math 3B will be able to:
1. Demonstrate mastery of the advanced computation techniques required for second semester calculus
2. Demonstrate mastery of the advanced techniques of integrations covered in second semester calculus.
3. Demonstrate proficiency in graphing, including the use of polar coordinates.

How to Succeed: To succeed in this class you should
1. Attend and participate in class
2. Complete the assigned homework before the next class session
3. Meet with me during my office hours, the Embedded Tutor during her tutoring hours, or another tutor in the LRC
4. Form a study group with others in this class or another section of Math 3B.
5. Try to understand why a problem is solved the way it is. Don’t just memorize the steps to get the answer.

Text: Calculus 10th Ed. Anton, Bivens, Davis

Homework: Homework will be assigned at the end of almost every lecture. It will be collected weekly.

Quizzes: Eleven quizzes will be given during the semester. Each quiz is worth 10 points. Problems on the quiz will be similar to those from the homework assignments. Your lowest quiz score will be dropped. I do not give make-up quizzes. If you are unable to take a quiz for any reason, you will receive a 0 for that quiz. You cannot take a quiz early or late.
**Exams:** There will be 3 exams administered during the semester. Each exam is worth 100 points. The date of each exam will be announced in lecture. If you miss an exam for a valid reason you must provide written documentation of that reason to me within 24 hours. I will then set the date for the make-up exam. If I determine that your excuse is not valid or you fail to provide written documentation, you will receive a 0 for the missed exam.

**Final Exam:** The final exam is Monday, May 23rd from 10:30 – 12:30. It is cumulative.

**Calculators:** You may use a scientific calculator on the quizzes and exams. *You cannot share your calculator during a quiz or exam.* Graphing calculators, laptop computers, cell phones and equivalent technology are not permitted.

**Grading:** The final grade in this course will be based on

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Exams</td>
<td>300</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150</td>
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<td><strong>Total</strong></td>
<td>550</td>
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**Grading Scale:**

- 90% – 100%   A
- 80 % - 89%   B
- 70% - 79%    C
- 60% - 69%    D
- Below 60%    F

**Attendance:** All students are expected to attend each class meeting. If you miss class for any reason, you are responsible for getting the class notes. A student *may be* dropped from the class due to excessive absences. *If you want to drop the class, it is your responsibility to do so.*

**Cell Phones:** Turn off your cell phones when you enter the classroom. **DO NOT SEND TEXT MESSAGES DURING CLASS!**

**Academic Honor Code:** Saddleback College students are responsible to regulate their own conduct in accordance with the Code of Conduct as outlined in the Student Handbook. Additionally, the MSE division has a policy on Academic Integrity which can be found on the division website: [http://www.saddleback.edu/ap/mse/](http://www.saddleback.edu/ap/mse/)

A student found cheating on an exam or quiz will receive a zero on the exam or quiz. This score will not be dropped.

**Accommodated testing for students with disabilities:** All students who have been authorized for academic adjustments/accommodations for examinations/tests/quizzes should submit the proper authorizations forms within the first two weeks of class.

**Important Dates:** The last day to drop without receiving a “W” grade is 2/7/16
The last day to change to P/NP is 2/24/16
The last day to drop and receive a “W” grade is 4/12/16