Multivariable Calculus I, Math 251  
Syllabus, Winter 2016

Instructor: Dr. Wenxiang Wang  
Office: JB 323  
Telephone: 537-5370  
Email: wwang@csusb.edu  
Office hours: TuTh:3:30-4:30pm, MW:5-6pm and by appointment.

Textbook:

Vector Calculus by Marsden/Tromba, sixth edition.

This is the first course on multi-variable calculus. We will cover the first four chapters. The topics are vectors, multi-variable functions, and parametrization of space curves.

Prerequisite: Math 212 with a grade of "C" or better.

Homework and Quizzes:

Homework will be assigned at the end of each class but not collected. Instead, we will have a weekly homework-quiz every Wednesday, except the weeks in which a midterm is scheduled.

We will discuss homework problems in class. These discussions will be of use to you only if you have at least attempted them beforehand. The test problems will be very much similar to the homework assigned, therefore, going through the homework problems on your own is essential to your success in this class.

Exams:

There will be a comprehensive final exam and two midterms. Midterm will be given on 2/3 (W) and 2/29 (M). The final exam will take place on Wednesday, 3/23, 6-8pm.

Grading:

Your course grade will be based on your best 5 quizzes, two midterms and the final exam, as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Final Exam</td>
<td>40%</td>
</tr>
<tr>
<td>Midterms</td>
<td>40%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
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</tbody>
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Grading scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90–100%</td>
<td>A</td>
</tr>
<tr>
<td>75–89%</td>
<td>B</td>
</tr>
<tr>
<td>60–74%</td>
<td>C</td>
</tr>
<tr>
<td>50–59%</td>
<td>D</td>
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</tbody>
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The "+" and "-" will occur at the fringes of the scale.
Mathematics Department Student Learning Outcomes

Upon successful completion of this course,

Learning Outcome 1.1: Students will demonstrate an understanding and apply fundamental concepts, operations, and relations.

Learning Outcome 2.1: Students will correctly apply mathematical theorems, properties and definitions.

Learning Outcome 3.3: Students will explain and justify solutions using a variety of representations.

Plagiarism and Cheating

Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another persons ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified.

Support for Students with Disabilities

If you are in need of an accommodation for a disability in order to participate in this class, please let me know ASAP and also contact Services to Students with Disabilities at UH-183, (909)537-5238.