Math 212, Introduction to Multivariable Calculus  
TR 3:30-4:50 p.m., Morton Hall 342

Instructor:  
Cary Humber  
E-mail: crhumber@wm.edu  
Office: Morton 12  
Office Hours: MWFTh 2-3:20 p.m.(except first week of classes) or by appt/walk-in  
website: www.math.wm.edu/~crhumber

Text:  
The text for the course is *Vector Calculus*, Jerrold Marsden, Sixth edition (2011)

Topics:  
1. Functions of several variables, surfaces in three-space, vectors, techniques of partial differ-  
etiation and multiple integration with applications.  
2. Other vector calculus topics (including Gauss and Stokes theorems).  
   Note that item 2 is covered in Math 213, not in Math 212. Otherwise, the two courses are  
   identical.

Homework:  
Weekly homework sets are assigned in class. Understanding and completing the homework is  
essential for success in the course. Unless otherwise stated, each homework set will be due one  
week from the assigned date.

Tests and Quizzes:  
There will be a minimum of 4 quizzes. Quiz dates will be announced in class.

Tests :  
There will be 1 midterm examination which is tentatively scheduled for October 13th. If you  
miss an exam/quiz due to a documented illness, participation in a university sponsored event,  
or family emergency, you must contact me to arrange for a make up. Otherwise, no make up  
exams/quizzes will be allowed. The cumulative final exam will be Monday, December 5th, 9:00  
a.m.-12:00 p.m.

Attendance:  
Regular attendance is critical for your success in this course. If you must miss class, you are  
expected to get notes and missed material from a classmate.

Grading:  
Your final grade is calculated as follows:  

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>30%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
</tbody>
</table>

The final letter grade is assigned using the scale:  

Honor Code:  
Uphold William and Marys honor code as it is written; infractions are submitted to the Honor  
Council.