Instructor: Dr. Eamonn Tweedy
Office: Hermann Brown 444
Email: eamonn@rice.edu

Lecture Times: MWF 11-11:50AM
Classroom: Anderson Bio Labs (ABL) Room 131
Office Hours: M 3-4pm, W 5-6pm, Th 1-2pm

Class Webpage: Look for MATH 212 001 F12 on OWL-Space.

Teaching Assistant info: Your TAs are Katherine Poulsen, Quentin Funk, and Valmir Bucaj. TA Help Sessions take place Monday and Tuesday evenings, 7-9pm. Locations can be found on the main page of the OWL-Space course page. Please check the schedule often - locations change from week-to-week!

Textbook and Topics:
The required textbook for this course is “Vector Calculus, Fifth Edition” by Marsden and Tromba, and we’ll cover Chapters 1-8 of that book. Topics include vectors, the gradient, divergence, curl, Lagrange multipliers, multiple integrals, line integrals, vector fields, Green’s theorem, Stokes’s theorem, and Gauss’s theorem.

I recommend that you read over each section before it is covered in lecture. The goal of each lecture will be to synthesize important ideas, but you will still have to rely on the text for filling in essential details.

Homework:
There will be weekly homework assignments, typically due on Wednesdays (with the first one due on Wednesday, August 29). Each homework assignment will be posted on to the “Assignments” section of OWL-Space one week in advance of the due date.

Homework assignments are not pledged, and I encourage you to work together and exchange ideas on homework problems. However, your final homework write-ups should be done independently and should reflect your own understanding of the material.

Your homework assignments will be graded both on correctness and clarity of solutions/arguments. For a problem solution to earn full credit, you should:

• Briefly state the goal of the problem
• Justify your steps as necessary
• Present your solution in a neat, clear, and easy-to-read format

In addition, you must follow these homework guidelines:

• Write your name in the upper right corner of the front page
• Below your name, write the the assignment number (e.g. “HW 3”)
• Write solutions to problems in the same order as they appear in the textbook
• Staple together the pages in the correct order

Late homework assignments will not be accepted for ANY reason! Instead, your lowest homework score will be dropped.
Exams:
There will be three midterm exams and one (3-hour) final exam:

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<tr>
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<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Midterm 1</td>
<td>Thursday, September 20</td>
<td>7-8:30PM</td>
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<tr>
<td>Midterm 2</td>
<td>Thursday, October 18</td>
<td>7-8:30PM</td>
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<tr>
<td>Midterm 3</td>
<td>Thursday, November 15</td>
<td>7-8:30PM</td>
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<tr>
<td>Final Exam</td>
<td>TBA</td>
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Exams will be pledged, and the use of books, notes, or calculators is not allowed. Make-up exams will only be allowed in the case of documented medical emergencies (and you must contact me as soon as possible regarding such a situation). If the exam dates conflict with a holiday you observe, please let me know during the first week of classes.

The date has not yet been scheduled by the Office of the Registrar. It is the policy of the Rice Mathematics Department that no final exam may be given early to accommodate student travel plans.

Grades:
Your grade will be computed via the following scheme:

20% Homework + 15% Midterm 1 + 15% Midterm 2 + 15% Midterm 3 + 35% Final

Expectations:
I expect that you attend every lecture and arrive on time. It is also your responsibility to stay informed of announcements, adjustments to the syllabus, or policy changes made during scheduled classes (and not all announcements will necessarily be posted online).

In a math lecture, what’s most important is that you look for the big picture and stay attuned to the lecturer’s advice about what’s important and what isn’t. I don’t necessarily expect you to follow every step of the lecture, but I do expect you to study on your own at home to fill in the gaps. Nonetheless, attending lectures is a crucial component to understanding the material, while skipping them puts you at a real disadvantage.

I encourage you to make use of your classmates, the TA recitation sessions, and office hours whenever you are struggling with the material. Furthermore, you should seek help as questions arise, rather than waiting until an exam is looming or until you have lots of questions.

Honor Code:
You should be familiar with the Rice University Honor Code (the Handbook can be found at http://honor.rice.edu/honor-system-handbook/). All midterm exams and the final exam will be pledged.

Disability Support:
Any student with a documented disability seeking academic adjustments or accommodations is requested to speak with me during the first two weeks of class. All such discussions will remain as confidential as possible. Students with disabilities will also need to contact Disability Support Services in the Allen Center.

Disclaimer:
I reserve the right to make changes to this syllabus and to course policies during the semester. Such changes will be announced in lecture when they are made.