Math 6A Vector Calculus
Course Syllabus

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<table>
<thead>
<tr>
<th>weeks</th>
<th>topic</th>
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<tbody>
<tr>
<td>1-2</td>
<td>Differentiation</td>
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<td>3-4</td>
<td>Integration</td>
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<td>5-6</td>
<td>Applications</td>
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grading:

<table>
<thead>
<tr>
<th>assessment</th>
<th>time</th>
<th>weight</th>
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<tr>
<td>Midterm 1</td>
<td>8/17</td>
<td>30%</td>
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<tr>
<td>Midterm 2</td>
<td>8/31</td>
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<td>Final Exam</td>
<td>9/14</td>
<td>30%</td>
</tr>
<tr>
<td>Participation</td>
<td>throughout</td>
<td>10%</td>
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</tbody>
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references:
Vector Calculus, by Miroslav Lovrić
Div, Grad, Curl, and All That, by H.M. Schey
Div, Grad, Curl are Dead, by William Burke
Calculus on Manifolds, by Michael Spivak
policies:

1. Attendance in lecture is highly encouraged though not required.
2. Worksheets will be distributed throughout the course. You are encouraged to submit completed or partially completed worksheets for feedback, though this will not affect your grade.
3. Assessment consists of three exams and a participation component. To satisfy the participation component, you must achieve at least 20 points on the Q&A site.
4. There are no make-up exams.
5. Please inform me in advance if you will be unable to take an exam at the scheduled time. Otherwise, a doctor’s note is required if you miss an exam.
6. Any form of academic dishonesty will result in a failing grade in the class and a referral to the Office of Judicial Affairs.

Please refer to Gauchospace for a day-by-day schedule of topics.