Math 3C, Winter 2012
Linear Algebra and Differential Equations
Monday, Wednesday & Friday, 8:00-8:50am, TD-W 1701

Instructor: Baldvin Einarsson.
Office: South Hall, 6523.
E-mail: baldvine@math.ucsb.edu
URL: http://gauchospace.ucsb.edu
Office Hours: Wednesday 10 –11:30am and Friday 9 –10:30am.

Teaching Assistants and their office hours:
Maree Afaga - South Hall 6431 P (blue side), Thursdays 1–2pm
Ricardo Delgadillo - South Hall 6432 K (pink side), Mondays 6–7pm

<table>
<thead>
<tr>
<th>Sections</th>
<th>Section Number</th>
<th>Instructor</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>3C 201</td>
<td>29538</td>
<td>Ricardo Delgadillo</td>
<td>Thursday</td>
<td>5:00–5:50pm</td>
<td>HSSB 1223</td>
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<tr>
<td>3C 202</td>
<td>29546</td>
<td>Maree Afaga</td>
<td>Tuesday</td>
<td>4:00–4:50pm</td>
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<td>29561</td>
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<td>Tuesday</td>
<td>6:00–6:50pm</td>
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<td>3C 206</td>
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<td>Thursday</td>
<td>6:00–6:50pm</td>
<td>HSSB 1233</td>
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Discussion Sessions: Attending the discussion sessions is required, and a quiz will be given almost every week by the TAs.

Math Lab: Monday–Friday, 12–5pm, South Hall 1607, TAs will be available to assist you.

Textbook: *Differential Equations and Linear Algebra*, by Farlow, Hall, McDill, and West.

Course description: This is the first of two undergraduate courses on Differential Equations and Linear Algebra. We will dedicate the first few weeks to the study of fundamental concepts in Linear Algebra, such as vector spaces, basis, matrices, etc. In the remainder of the course we will cover first order linear differential equations, and we will see some applications and examples of the concepts of Linear Algebra discussed at the beginning of the course, in the context of differential equations.
Prerequisites: Math 3AB.

Assignments and grading: Homework will be assigned on Fridays, and will be due on the next Friday at 6pm. You will access the WebWork page through GauchoSpace. Familiarize yourself with this process as soon as possible.

There will be two midterms (dates to be announced soon). Plan on attending every lecture. The final exam will be on Friday March 23rd, 2012, from 8:00-11:00am. Your final grade for the course will be determined by the following scheme:

Grade = 15%Homework+5%Quizzes+15%Midterm1+15%Midterm2+50%Final.