

**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](mailto: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

Sections					
3C 201	29538	Ricardo Delgadillo	Thursday	5:00–5:50pm	HSSB 1223
3C 202	29546	Maree Afaga	Tuesday	4:00–4:50pm	HSSB 1215
3C 203	29553	Maree Afaga	Tuesday	5:00–5:50pm	HSSB 1223
3C 204	29561	Maree Afaga	Tuesday	6:00–6:50pm	HSSB 1233
3C 205	29579	Maree Afaga	Tuesday	7:00–7:50pm	HSSB 1227
3C 206	54395	Ricardo Delgadillo	Thursday	6:00–6:50pm	HSSB 1233

**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:

$$\text{Grade} = 15\% \text{Homework} + 5\% \text{Quizzes} + 15\% \text{Midterm1} + 15\% \text{Midterm2} + 50\% \text{Final}.$$