

Math 3B, Winter 2013
Calculus with applications - Second course
Tuesdays & Thursdays, 8:00-9:15am, LSB 1001

Instructor: Baldvin Einarsson.

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URL: <http://gauchospace.ucsb.edu>

Office Hours: Tuesday 10–11:30am and Thursday 10–11:30am.

Teaching Assistants and their office hours:

Matt Porter - South Hall 6432 U (pink side), Thursday 3:30–4:30pm

Kathleen Hake - South Hall 6431 D (blue side), Monday 2–3pm

Sin Yi (Cindy) Tsang - South Hall 6431 V (blue side), Wednesday 3:30–4:30pm

Sections					
3B 301	29926	Matt Porter	Friday	9:00–9:50am	HSSB 1206
3B 302	29934	Kathleen Hake	Wednesday	4:00–4:50pm	HSSB 1211
3B 303	29942	Kathleen Hake	Wednesday	5:00–5:50pm	HSSB 1206
3B 304	29959	Kathleen Hake	Wednesday	6:00–6:50pm	HSSB 1210
3B 305	29967	Kathleen Hake	Wednesday	7:00–7:50pm	HSSB 1211
3B 306	29975	Cindy Tsang	Friday	10:00–10:50am	NH 1111

Discussion Sessions: Attending the discussion sessions is required, and a quiz will be given at random by the TAs.

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

Textbook(s): *Single Variable Calculus*, by James Stewart. **Note:** I'll mostly follow the 7th edition, but you can easily get by with the 6th edition, or even the 5th. You can also check out the textbook comparison at

<http://www.math.ucsb.edu/ugrad/textcompare3B.htm>

and choose your favorite textbook. **The most important thing is to read whichever one you choose, come to class, and do your homework!**

Course description: This is the second of two undergraduate courses on integration techniques and related topics. We will learn a lot about integration! After this class, you will understand how Maple (and Wolfram α , Mathematica, etc.) work. At the end, we will then work on applications, so you will hopefully agree that this material is useful!

Prerequisites: Math 3A (with a grade of C or higher).

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**.

Exams: There will be **two midterms** (dates to be announced soon). Plan on attending every lecture. The **final exam** will be on **Thursday March 21st, 2013**, from 8:00-11:00am. Your final grade for the course will be determined by the proposed scheme:

Grade = 15% Homework + 5% (Quizzes and attendance) + 15% Midterm1 + 15% Midterm2 + 50% Final.

Please note: There will be no make up homework or quizzes.