

Math 8, Spring 2013
- Transition to Higher Mathematics -
Monday & Wednesday & Friday, 10:00-10:50am, NH 1111

Instructor: Baldvin Einarsson.

Office: South Hall, 6523.

E-mail: baldvine@math.ucsb.edu

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

Office Hours: Mondays and Wednesdays 3:30–5:00pm.

Sections					
301	28894	Tuesday	Thursday	4:00–4:50 pm	HSSB 1224
302	28902	Tuesday	Thursday	5:00–5:50 pm	HSSB 1206

Teaching Assistant : Jon Lo Kim Lin. Office hours: Tuesdays and Thursdays 12:30-2:00pm in 6431 W (Blue side).

Discussion Sessions: Note that you meet with your TA in section twice each week. Attending the discussion sessions is mandatory, and a quiz will be given in almost every section by the TA.

Textbook(s): *A Concise Introduction to Pure Mathematics*, third edition, by Martin Liebeck. The homework will come mostly from this book.

Course description: We'll mostly follow the textbook and other material I find interesting and we have time for. Introduction to the elements of propositional logic, techniques of mathematical proof, and fundamental mathematical structures, including sets, functions, relations, and other topics as time permits. Mastery of this material is essential for students planning to major in mathematics. The focus of this course is on teaching you how to read new mathematical concepts, and to write clear and understandable solutions and proofs.

Math Lab: Monday–Friday, 12–5pm, South Hall 1607. Graduate students will be available to assist you. You are encouraged to form study groups, **but the work you turn in must be your own.**

Calculators: Calculators can't think. They will play no significant role in this course.

Assignments and grading: Homework will be assigned during the week, and will be due on Friday the following week at noon. Turn it in to Jon's mailbox on the sixth floor of South Hall. **No late homework will be accepted and there will be no makeup homework or quizzes.** The homework will be graded according to the following:

4 points: Very clear

3 points: Mostly correct, but needs some polishing (or lacks clarity)

2 points: Some correct steps, but needs serious work

1 point: Good start

Points will also be given for neatness and style.

Please note: **This grading scheme is subjective and it is completely up to the judgement of the TA how to grade your homework.**

Exams: There will be a **midterm** (date TBA). Plan on attending every lecture. The **final exam** will be on **Monday June 10th, 2013**, from 8:00-11:00am. Your final grade for the course will be determined by the proposed scheme:

$$\text{Grade} = 30\% \text{ Homework} + 10\% \text{ Quizzes} + 20\% \text{ Midterm} + 40\% \text{ Final.}$$