Math 8 Syllabus

Winter 2013

Lecture: MWF 9-9:50pm, in GIRV 2129.

Text: *How to Prove It, a structured approach* by Daniel Velleman, 2nd ed. Cambridge University Press

Material to be covered: Chapters 1-6, and selected topics if time permits.

Instructor: Prof. Xianzhe Dai, South Hall 6511, extension 8392 (discontinued due to budget), email: dai@math.ucsb.edu
Webpage: www.math.ucsb.edu/~dai

Office hours: MWR 12:30-1:30pm or by appointment.

Assistant: Alexander W. Flury, office hours TBA.

Discussions: Attendance is mandatory. Time: TR 6pm (HSSB 1210), 5pm (HSSB 1210)

Quiz: There will be weekly quizzes (except the first week) in the discussions.

Homework: Homeworks are assigned each lecture (I will also post it both on Gauchospace and my webpage) and due Friday of the week at the end of the lecture. The graded home work will be returned to you in the discussion session. In consideration of the reader, no late homework will be checked. **Doing your homework regularly and carefully is essential for making Math 8 an enjoyable experience.** It will be very hard to pass the course without a conscientious effort on the homework.

Exams Schedule: Midterm: Friday, Feb. 8, in class

Final: Wednesday, March 20, 8-11am

Grading: Homework 10%; Quizzes 10%; Midterm 30%; Final 50%.

Important Date: Feb. 4—last day to drop class.
Monday, Jan. 21—Martin Luther King’s Day Holiday.
Monday, Feb. 18—Presidents’ Day Holiday.

Math Lab: South Hall 1607, 1:00-5:00 pm, M-F. In the lab you can get assistance on mathematical problems from this course and beyond.

A Word of Advice: This course is different from other math classes you may have taken in the past. Reading the text (other than examples) is becoming crucial; ideally one should read the text and lecture notes right after each class to reinforce the understanding. In addition, more emphasis is placed on writing and expressing your ideas and thinkings clearly (and mathematically).