Math 53   Multivariable Calculus
Spring 2020   Lecture 2   CN 20331

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Lecture hours: MWF   10am – 11am   155 Dwinelle

Discussion sections: 90 minutes Tuesdays and Thursdays with your GSI. You must attend the discussion section in which you are enrolled.

Office hours: Mon. 1pm – 2pm   Wed. 11:30am – 12:30pm   Fri. 11am – 12pm
                    Also check your GSI's office hours.

Grading scheme:

Top Hat grade	5%	You must be in lecture to participate
Homework	10%	Give it to your GSI (on Tuesdays)
Quizzes	15%	Quizzes take place in discussion
Midterm 1	20%	Wed., Feb. 19 in class
Midterm 2	20%	Wed., Apr. 8 in class
Final exam	30%	Tue., May 12 3pm – 6pm

The lowest homework score and the lowest quiz score will be dropped. Final exam score could replace lowest midterm score. Late homework will not be accepted. There are no makeup quizzes. There will be 13 homework assignments and 7 quizzes. See the Time Table.

Text: Stewart's Multivariable Calculus, Math 53 UC Berkeley,   8th Edition

Syllabus: We will follow the text very closely. We will discuss the following sections:

Chapter 10: Parametric Equations and Polar Coordinates	Sections 10.1 – 10.4
Chapter 12: Vectors and the Geometry of Space	Sections 12.1 – 12.5
Chapter 13: Vector functions	Sections 13.1 – 13.3
Chapter 14: Partial Derivatives	Sections 14.1 – 14.8
Chapter 15: Multiple Integrals	Sections 15.1 – 15.9
Chapter 16: Vector Calculus	Sections 16.1 – 16.10

Pace of class: We will discuss roughly one section per lecture (in a few cases we will see two sections in one lecture). The Time Table has the reading and homework assignments for the entire course, as well as the date and content of all quizzes and exams.
I strongly advise you to keep up with the lecture and the reading. The course is fast paced, so it could be hard to catch up if you fall behind.

Please always feel free to ask questions. Welcome to the class!