MATH H53, HONORS MULTIVARIABLE CALCULUS
SPRING 2017

TUESDAY AND THURSDAY 8:00AM - 9:30AM, EVANS HALL 70

Course Information. This course focuses on the following topics (according to the official course description): parametric equations and polar coordinates, vectors in $\mathbb{R}^2$ or $\mathbb{R}^3$, partial derivatives, multiple integrals, vector calculus, Theorems of Green, Gauss and Stokes. We also discuss various applications which do not appear in the official textbook. This course also emphasizes mathematical writing of solution and proof, in a rigorous manner.

Instructor and Office hour.

- Insuk Seo (insuk@berkeley.edu, Evans Hall 1073)
- Office hour: Tuesday 1:30-3:00, Thursday 12:00-1:30 (subject to change).
- You can request additional office hour by e-mail.

Discussion Section.

- Jonathan Gleason, MWF 8:00-9:00 at Dwinelle 234
- Office hour: Tuesday 12:30-2:00, Thursday 12:30-2:00 at Evans Hall 935
- There will be a weekly quiz at each Friday.

Textbook. Multivariable Calculus, Math 53 at Berkeley, Stewart, 8th edition.

Course website. I will post announcements, assignments and grades at bCourses.

Examinations. There will be three exams:

- Midterm 1: 2/14, in-class
- Midterm 2: 3/23, in-class
- Final Exam: 5/11, 7:00PM-10:00PM

NOTE. In the case of a fire alarm during the exam, LEAVE YOUR EXAM IN THE ROOM and the evacuate in a calm and orderly manner. You should not take any part of exam with you. It is not allowed to discuss about the exam with other students, during the evacuation.

Assignments. There will be 5~6 mandatory assignments for this course. Some of assignment problems will be challenging.

- Each assignment will be posted on bCourse at least one week prior to the due date.
- The completed work should be turned in at the end of class on Thursday.
- Text file such as doc or pdf format is accepted only in exceptional case.
- Late submission is allowed only in exceptional case.

Evaluation.

- Assignment (15%), Quiz (10%), Midterm 1 (20%), Midterm 2 (20%), Final exam (35%).
- Since this is an honor course, the grade for each exam will **not** be curved.
- There is no preassigned ratio for A, B, C, D and F. Your letter grade is not determined by your rank, but solely determined by your score. High score implies good grade.

Other requests.

- If you need special accommodations approved by the Disabled Student's Program, please send me notice as soon as possible.
- Please configure bCourses to notify you via e-mail whenever any announcements are made.
- Do not ask mathematical question via e-mail. Visit office hour, or request additional office hour.