Math 120: Calculus of Functions of Several Variables
Yale University   Fall   2015   Section 6

Instructor: Jose Gonzalez, Office: DL 406, Email: jose.gonzalez@yale.edu
Lectures: Tu Th 9:00am-10:15am. Room: TBA.
Office Hours: Tu 3-4pm, Th 2-3pm and Fri 2-4pm. And by appointment.
Math 120 Website: MATH 120 00 (F15) in https://classesv2.yale.edu
Section 6 Website: MATH 120 06 (F15) in https://classesv2.yale.edu

Course Description: In Math 120 we study the vector geometry of 3 dimensions, scalar and vector functions of 1 and 2 variables, partial derivatives, directional derivatives, multiple integrals, cylindrical and spherical coordinates, parameterized curves and surfaces, gradient, divergence, curl, line and surface integrals, and the theorems of Gauss, Green, and Stokes.

Text: The text is James Stewart's Multivariable Calculus Early Transcendentals, Math 120, eighth edition, Thompson. Note: earlier editions of this text differ in some sections and most exercises.

Evaluation: Course grades are determined from the combined total of homework scores (10%), two exam scores (25% each), and the final exam score (40%).

Exams: Midterm exams are in the evenings, from 7pm to 8:30pm, on Thursday, October 8, and Tuesday, November 17. The final exam is on Saturday, December 19, from 9am to 12:30pm. Books, notes and calculators may NOT be used during exams.

Homework: Assignments will be posted on the Section 6 website on Thursday evenings and are due the following Thursday in class. Feel free to discuss your work with your peers, but solutions are to be submitted by each student. To get full credit you must show your work (not simply your answers), and your work should be clear enough to be understood by the grader. Notes: Please note that assignments are not the same as the suggested exercises that are also posted on the website. Assignments vary in length but count the same percentage. The lowest assignment score will be dropped.

Help: If you are having trouble with any of the class topics or with some part of the homework, please let me know, I would be very happy to help you. You are encouraged to ask for help when needed. Even a few questions answered in the right moment can make the whole difference for you to succeed in this course.

Extra Help: In addition to the help from your instructor, Yale provides Peer Tutors, Residential College Tutors, Private Tutors, Coaches, and Calculus Tutorials. You can find complete descriptions of these services and how to get their help in the Math 120 website.