MATH 120 Section 5: Multivariable Calculus

Instructor: Susie Kimport **Email Address:** susie.kimport@yale.edu

Class Meets: TTh 11:35am-12:50pm in LOM 205 **Office Hours:** TBD

Course webpage: classesv2.yale.edu, "Math 120 00 (S15)"
(Section website: "Math 120 05 (S15)")

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.
Weekly schedule is posted on the course website.

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

Homework: due on **Thursday**; the first PSet is due on January 22. I will announce the problems for each problem set at least a week before it is due, both in class and via Classes*v2.

See the solution guide on the course website for an explanation of how you should write up your homework to receive full credit. Staple and hand in your work before the lecture begins. No credit will be given for late homework.

Course Evaluation: Course grades are determined by homework (10%), two exams (25% each), and the final exam (40%). See the course website for a table of (approximate) conversion between number and letter grade.

- Exam 1. Thursday, February 19, 7:00pm - 8:30pm
- Exam 2. Thursday, April 9, 7:00pm - 8:30pm
- Final Exam. Monday, May 4, 9:00am - 12:30pm

Calculators may not be used on the exams or on the final. *A make-up midterm will be given only with a dean's excuse. Under no circumstances will early exams be given. The final exam can be postponed only with a dean's excuse. The make-up final is the end of the second week of the spring semester. The final will be given at no other times.*

Outside-of-class support for Math 120: see "Getting Help" on the course website.

Visit ClassesV2.yale.edu for more detailed information