

Peterson

Math 1D

Spring 2016

- Content -** Functions of more than one variable, partial derivatives, multiple integration, vector fields and their applications
- Prerequisite** Math 1D or equivalent (Preferably with grade of C or better)
- Text -** Calculus, Early Transcendentals (7th edition), Stewart
- Exams -** There will be three 100 point midterm exams and one 200 point final exam
There will also be an unspecified number of quizzes during the quarter.
- Homework** Homework will be assigned every day but will not be collected. The quizzes will be based upon the homework that I assign as well as in class material. The homework I assign is the minimum work that can be done and I strongly suggest that students do more problems than are assigned.
- Attendance -** Attendance in class is crucial to learning the material. If anyone misses more than two classes without informing me first, they will be dropped from the class. If anyone misses one class during the first week without informing me first, they also will be dropped. If you know you are not going to be in class, call (408) 742-8828 and leave a message. Please do not call the division office or the administration office.
- Office Hours -** My office hours will be Tuesdays and Thursdays from 3-4 p.m in S43a. Also, if your phone goes off during class, I will ask you to leave. If it happens a second time, you will be dropped from the class.

Date	Section(s)
04/05/16	Functions of more than 1 variable, limits
04/07/16	Partial Derivatives, Increments and differentials
04/12/16	Chain Rule, Directional Derivative
04/14/16	Equations of tangent planes, Extreme values
04/19/16	Lagrange Multipliers
04/21/16	Review
04/26/16	Exam #1
04/28/16	Double integrals and evaluation of Double integrals
05/03/16	Areas and Volumes; Moments and Center of Mass
05/05/16	Moments and Center of Mass; Polar Double Integrals
05/10/16	Triple integrals and their application
05/12/16	Other 3-D coordinate systems; Surface Area
05/17/16	Review
05/19/16	Exam #2
05/24/16	Vector Fields; Line Integrals
05/26/16	Line Integrals; Path Independence
05/31/16	Green's Theorem; Surface Integrals
06/02/16	Divergence Theorem
06/07/16	Stokes' Theorem
06/09/16	Exam #3
06/14/16	No Class
06/16/16	Review
06/23/16	Final Exam

Grade Scale:

85%+	A
70-84%	B
55-69%	C
45-54%	D
<45%	F