

Peterson

# Math 1D

Summer 2017

- 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 (8th 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 -** I do not have office hours during the summer session. 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.

<b>Date</b>	<b>Section(s)</b>
07/03/17	Functions of more than 1 variable, limits
07/05/17	Partial Derivatives, Increments and differentials
07/06/17	Chain Rule, Directional Derivative
07/10/17	Equations of tangent planes, Extreme values
07/11/17	Lagrange Multipliers
07/12/17	Review
07/13/17	Exam #1
07/17/17	Double integrals and evaluation of Double integrals
07/18/17	Areas and Volumes; Moments and Center of Mass
07/19/17	Moments and Center of Mass; Polar Double Integrals
07/20/17	Triple integrals and their application
07/24/17	Other 3-D coordinate systems; Surface Area
07/25/17	Review
07/26/17	Exam #2
07/27/17	Vector Fields; Line Integrals
07/31/17	Line Integrals; Path Independence
08/01/17	Green's Theorem; Surface Integrals
08/02/17	Divergence Theorem
08/03/17	Stokes' Theorem
08/07/17	Exam #3
08/08/17	No Class
08/09/17	Review
08/10/17	Final Exam

**Grade Scale:**

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