Peterson # Math 1D **Fall 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 - **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)
09/26/17	Functions of more than 1 variable, limits
09/28/17	Partial Derivatives, Increments and differentials
10/03/17	Chain Rule, Directional Derivative
10/05/17	Equations of tangent planes, Extreme values
10/10/17	Lagrange Multipliers
10/12/17	Review
10/17/17	Exam #1
10/19/17	Double integrals and evaluation of Double integrals
10/24/17	Areas and Volumes; Moments and Center of Mass
10/26/17	Moments and Center of Mass; Polar Double Integrals
10/31/17	Triple integrals and their application
11/02/17	Other 3-D coordinate systems; Surface Area
11/07/17	Review
11/09/17	Exam #2
11/14/17	Vector Fields; Line Integrals
11/16/17	Line Integrals; Path Independence
11/21/17	Green's Theorem; Surface Integrals
11/28/17	Divergence Theorem
11/30/17	Stokes' Theorem
12/05/17	Exam #3
12/07/17	Review
12/14/17	Final Exam

Grade Scale:

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