Peterson # Math 1C **Fall 2018**

Content - **Parametric Equations and Polar Coordinates, Infinite Sequences and Series, Vectors and Vector Valued functions**

Prerequisite **Math 1B 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 have office hours from 3-3:50 in S43a on Tuesday and Thursdays. 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)
09/25/18	11.1-11.2
09/27/18	11.2-11.3
10/02/18	11.4-11.5
10/04/18	11.6-11.7
10/09/18	11.8-11.9
10/11/18	11.10-11.11
10/16/18	Review
10/18/18	Exam #1
10/23/18	10.1-10.2
10/25/18	10.3-10.4
10/30/18	12.1-12.2
11/01/18	12.3-12.4
11/06/18	12.5
11/08/18	Review
11/13/18	Exam #2
11/15/18	13.1
11/20/18	13.2
11/27/18	13.3
11/29/18	13.4
12/04/18	Exam #3
12/06/18	Review
12/13/18	Final Exam

Grade Scale:

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

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.

*Apply infinite sequences and series in approximating functions.

*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.