Peterson   Math 1B   Winter 2017

Content -   **Integrals, methods of integration, applications of integration, 1ˢᵗ order differential equations, and hyperbolic functions**

Prerequisite   **Math 1A or equivalent (Preferably with grade of C or better)**

Text -   **Calculus, Early Transcendentals (7th edition), Stewart**

Exams -   **There are a total of 600 points available. Three 100 point midterm exams, one 200 point final exam, and an unspecified number of quizzes worth a total of 100 points.**

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 will have assigned office hours on Tuesdays from 3 to 4 in S43 (math lab). 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)
01/10/17	5.1
01/12/17	5.2 - 5.3
01/17/17	5.3 - 5.4
01/19/17	5.5, 6.1
01/24/17	6.2
01/26/17	Review
01/31/17	Exam 1
02/02/17	6.3
02/07/17	6.4 – 6.5
02/09/17	3.11, 7.1
02/14/17	7.2 – 7.3
02/16/17	7.4
02/21/17	Review
02/23/17	Exam 2
02/28/17	7.5 – 7.6
03/02/17	7.7 – 7.8
03/07/17	8.1 – 8.2
03/09/17	8.3
03/14/17	Exam 3
03/16/17	9.1 – 9.2
03/21/17	9.3 – 9.4
03/23/17	Review
03/30/17	Final Exam

Grade Scale:

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

• **Student Learning Outcome**: Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.

• **Student Learning Outcome**: Formulate and use the Fundamental Theorem of Calculus.

• **Student Learning Outcome**: Apply the definite integral in solving problems in analytical geometry and the sciences.