AP Calculus AB
Chapter 4 Syllabus 2nd revision*

Day	Date	Description	Homework
1		4.1 - Antiderivatives and Indefinite Integration *4.1/4.3 Extra Practice (1-7)* *FR 2*	• p. 287 (11 – 31 odd, 37 – 43 odd)
2		4.3 - Definite Integrals - *Geometric Interpretations, Properties and Transformations* *Geometric Interpretations WKST* *4.1/4.3 Extra Practice (8-12)*	• p. 312 (15 – 45 odd, 49, 85, 87)
3		<mark>4.1 & 4.3 Quiz</mark> 4.3 Riemann Approximations	• Riemann Approximation WKST 1
4		4.3 Riemann Approximations *FR 14, 20 a&b* *4.2/4.6 Extra Practice WKST*	• Riemann Approximation WKST 2
5		<mark>Quiz Riemann Approximations</mark> 4.4 - The Fundamental Theorem of Calculus *Chocolate Studded Dream Cookies WKST*	• p. 328 (5 – 37 eoo, 55 – 59 odd(Average value only), 68, 115) FR 3
6		Motion/MC Calculator	• MC Calculator WKST FR 11, 12
7		4.4 - The Fundamental Theorem of Calculus *4.4 WKST* *FR 16, 20 c&d*	• 2nd Fundamental Theorem WKST • FR 5, 13, 15
8		<mark>4.4/Motion GC Quiz</mark> 4.5 - Integration by Substitution *FR 1*	• p. 341 (11, 15, 19, 21, 33, 45, 47, 51, 57, 59, 117)
9		4.5 - Integration by Substitution 4.6 – The Natural Logarithmic Function: Integration	• P. 341(71, 75, 79, 81, 85, 79, 81, 85, 117) • P. 351 (3, 7, 15, 17, 49, 51, 57, 85, 106) • Change of Variable WKST
10		Review	• AB Classwork (review)
11		4.6 – The Natural Logarithmic Function: Integration 4.7 – Inverse Trigonometric Functions: Integration	• P. 351 (31 – 41 odd) • P. 359(7, 9, 17, 21 – 33 odd, 37, 75)
12		<mark>4.5-4.7 Quiz</mark> Review	• FR 4, 8, 16, 21, 22
13		Review	• Ch 4 Review
14		<mark style="background-color:cyan">Ch 4 Test</mark>	

*Assignments Subject to Change

$$\int d\text{alculus} = \text{alculus} + C$$