



AP CALCULUS AB COURSE- SESSION PLAN

LESSON NO	TOPICS
LESSON 1	Discussion of the structure of the test and test taking strategies. Discussion of Diagnostic test and scopes of improvement. Session 1: Limits and Continuity
LESSON 2	Limits and Continuity-Part 2 High level questions including graphs and charts. Homework Discussion
LESSON 3	Fundamental properties of Derivatives -Theory plus real time practice and discussion. Homework Discussion.
LESSON 4	Definition of a Derivative-Theory plus real time practice and discussion. Homework Discussion.
LESSON 5	Derivatives-Chain, Power, Quotient, and Product Rules, All types of questions + Homework discussion.
LESSON 6	Trigonometric Derivatives, composite functions and implicit differentiation. All types of questions + Homework discussion.
LESSON 7	Analytical Applications of differentiation-Part 1 All types of questions + Homework discussion.
LESSON 8	Applications of differentiation-Part 2 All types of questions + Homework discussion.
LESSON 9	Applications of differentiation-Part 3 All types of questions + Homework discussion.
LESSON 10	Integration-All rules and sample questions+ High level practice+ Discussion Homework discussion.
LESSON 11	Integration Part 2-All rules and sample questions+ High level practice+ Discussion Homework discussion.
LESSON 12	Integration- Part 2 Advanced techniques-Sample questions+ High level practice+ Discussion Homework discussion.
LESSON 13	Applications of Integration-Part 1 Advanced techniques-Sample questions+ High level practice+ Discussion of Area-Method 1,2,3+Homework discussion.
LESSON 14	Applications of Integration-Part 2 Advanced techniques-Sample questions+ High level practice+ Discussion-Revisiting Method 1,2,3+Homework discussion.
LESSON 15	Applications of Integration-Part 3 Advanced techniques-Sample questions+ High level practice+ Discussion-Volume-Method 1,2+Homework discussion.
LESSON 16	Applications of Integration-Part 4 Advanced techniques-Sample questions+ High level practice+ Discussion-Volume-Method 3 +Homework discussion.
LESSON 17	Logarithmic and exponential Integration
LESSON 18	MOCK TEST 1
LESSON 19	MOCK TEST 1-REVIEW
LESSON 20	MOCK TEST 2
LESSON 21	MOCK TEST 2-REVIEW
LESSON 18	MOCK TEST 3
LESSON 19	MOCK TEST 3-REVIEW
LESSON 20	MOCK TEST 4
LESSON 21	MOCK TEST 4-REVIEW
PRACTICE SESSIONS	PRACTICE TESTS (10 MOCK TESTS EXTRA) 100 HOURS OF PRACTICE AFTER THE PREPARATION