

CLEMSON UNIVERSITY CALCULUS PROJECT

TABLE OF CONTENTS

SECTION..... TOPIC

UNIT 1	POLYNOMIAL AND PIECEWISE FUNCTIONS
UNIT 2	RATIONAL FUNCTIONS, LIMITS, AND ASYMPTOTIC BEHAVIOR
UNIT 3	EXPONENTIAL FUNCTIONS
UNIT 4	TRIGONOMETRIC FUNCTIONS
UNIT 5	INVERSE FUNCTIONS, LOGARITHMS AND INVERSE TRIGONOMETRIC FUNCTIONS
UNIT 6	CONTINUITY AS A PROPERTY OF FUNCTIONS
UNIT 7	CONCEPT OF THE DERIVATIVE AND THE DERIVATIVE AT A POINT
UNIT 8	DERIVATIVE AS A FUNCTION AND SECOND DERIVATIVES
UNIT 9	APPLICATIONS OF DERIVATIVES
UNIT 10	RIEMANN SUMS
UNIT 11	APPLICATIONS OF INTEGRALS AND THE INTEGRAL AS AN ACCUMULATION FUNCTION
UNIT 12	THE FUNDAMENTAL THEOREM OF CALCULUS
UNIT 13	APPLICATIONS OF ANTIDIFFERENTIATION
UNIT 14.....	NUMERICAL APPROXIMATIONS TO DEFINITE INTEGRALS
.	
TEXTBOOK CORRELATION	