

LADYWOOD HIGH SCHOOL
DEPARTMENT OF MATHEMATICS
AP CALCULUS
2003-2004
SEQUENCE E

Instructor: Mr. Mellor
Text: Single Variable Calculus: Early Transcendentals, 4th Edition, Stewart.
Calculator: Graphing Utility, TI-82 or TI-83 work well.

Overview:

Calculus will teach you three new concepts (limits, derivatives, integrals) while using all the math skills you have previously learned. These two factors combined with the pacing of a college math course will make this class an excellent challenge.

Grading:

Your grade will be based on the following:

- (0 %) Homework: Homework will be assigned and collected but not graded. The process of doing mathematics is how we best learn, and therefore your work will be collected. You are allotted four missing homework assignments per quarter. Once you have reached a fifth missing assignment you may not receive a grade higher than a C.
- (50%) Quizzes We will have weekly quizzes (Fridays) based on lectures and homework.
- (45%) Exams We will have two one-hour exams each quarter.
- (5%) Participation Attendance, Preparedness, Attitude, etc.

Course Plan

<u>Chapter</u>	<u>Sections</u>	<u>Topics</u>
2	1-3, 5-9	Limits and Continuity
3	1-8, 10, 11	Differentiation
4	1-7, 10	Applications of Derivatives
5	1-5	Integrals
6	1, 2, 5	Applications of the Integral
7	as possible	Techniques of Integration

We will move beyond this plan as time allows.