

HHS MATH DEPARTMENT

COURSE: Calculus I/II

1050/1051(NCAA)

RIGOR: Accelerated
(Above grade level)

Average
(On grade level)

Essentials
(Core concepts)

Pre-requisites: Pre-Calculus with “C” or better

Course Description: The student will review and extend topics of functions, advanced equation solving and possibly trigonometry. The student will study limits, derivative techniques, derivative applications, integration techniques, and integration applications. Business applications will be a focus of this course.

Course Syllabus:

Semester 1

Semester 2

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| I. Review of Prerequisites for Calculus | I. Extended Applications of Derivatives |
| II. Limits at a point and limits involving infinity | II. Exponential and Logarithmic Functions
Derivatives and eventually Integrals |
| III. Derivatives
Definition and Techniques | III. Introductory Integration |
| IV. Beginning Applications of Derivatives | IV. Introductions to Applications of
Integration |

Expected Homework: Assignments are assigned on a daily basis.

Late Work Policies: All homework must be completed by test day.

Grade Includes: Tests-50%, Quizzes-35%, Homework-15%