

HHS MATH DEPARTMENT

COURSE: AP Statistics 1001/1002 (NCAA)

RIGOR:

Accelerated

(Above grade level)

Average

(On grade level)

Essentials

(Core concepts)

Pre-requisites: Pre-Calculus or taking Pre-Calculus concurrently

Course Description: AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83/84 graphing calculator, Fathom and Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

Course Syllabus:

Text: The Practice of Statistics (6th Edition), by Starnes, Yates, and Moore, W.H. Freeman & Co., 2018.

The College Board AP Statistics Information:

<http://apcentral.collegeboard.com/apc/public/repository/ap-statistics-course-description.pdf>

Minnesota Standards to be Mastered:

<http://education.state.mn.us/MDE/dse/stds/Math/>

Expected Homework: Daily Reading, Several Practice Problems

Late Work Policies: Late work only accepted for excused absence, rules follow student handbook.

Grade Includes: Daily Work = 20%

Chapter Tests = 80%