COURSE TITLE: Advanced Placement Statistics

Level of Difficulty	Estimated Homework	Prerequisites
Difficult	30-60 minutes	**District:** "B" or better in Math Analysis CP "C" or better in Math Analysis H **Department Suggestion:** "B" or better in Math Analysis CP "C" or better in Math Analysis H

Course Description:

AP Statistics is an advanced mathematics course. As such, this class is structured to prepare students for the high expectations of college courses. A strong emphasis is placed on critical thinking skills, writing/communication skills, and appropriate use of statistical terminology.

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns

2. Sampling and Experimentation: Planning and conducting a study

3. Anticipating Patterns: Exploring random phenomena using probability and simulation

4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and exam may receive credit, advanced placement or both for an introductory college statistics course.

Grading:

See instructor syllabi below.

Syllabus:

https://docs.google.com/document/d/1AUXHg6DYTuLnbwQFxpqUvStq75Ufpvr1dukit5g9sE4/edit?usp=sharing

*Some aspect of the syllabus may be modified from year to year at the discretion of the instructor.

Supplemental Information:

UC Subject Area "c" / weighted grade

Materials: Graphing calculator [TI-83 or 84 preferred]