



AP Statistics Syllabus

Course Details

Course Code: 417100AW

Subject: Mathematics

Required Prerequisites: Algebra 1, Geometry, and Algebra 2

Suggested Prerequisites: Completion of Algebra 2 with a B or higher

Recommended Grade Levels: 12th

Duration: Yearlong

Course Availability: A listing of when this course is offered in the current school year can be found on the [VirtualSC Current Course Offerings page](#) (opens in a new window).

Class Times: There are no scheduled class meetings for this course. Instead, students are expected to work on their own to meet the deadlines posted in the course pacing guide. Students should expect to spend 7-9 hours a week working on this course.

Supplemental Textbook (PDF copy available on the course website): David M, D., Mine, Ç.-R., Leah, D., & Christopher D, B. (2019). Advanced High School Statistics (2nd ed.) [Review of Advanced High School Statistics]. Modified Second Edition.
https://www.openintro.org/go/?id=ahss_direct_download&referrer=/book/ahss/index.php
(Original work published 2019)

Required Course Materials: TI 83/84 Graphing Calculator. If a calculator cannot be purchased or is unavailable, you may go to www.desmos.com (opens in a new window), which can be used on your computer or downloaded to your Android or Apple phone or tablet.

Outside Websites: A list of links to websites and online textbooks used in this course can be found here: [VSC Course Links Document Folder](#) (opens in a new window). Students will need to be able to access all of these links to access all course materials.

Final Exam: Students in this course take a VirtualSC final exam **AND** an Advanced Placement (AP) exam. Details on scheduling and taking final exams can be found on the [Final Exam Page](#) (opens in a new window) of the VirtualSC webpage.

Course Description

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 a one-semester introductory college statistics course.

The curriculum used in this course is guided by the [College Board AP Statistics Course Description](#) (opens in a new window).

Scope and Sequence

The scope and sequence used in this course is found in the [College Board Approved AP Statistics Syllabus](#). (opens in a new window).

Students will be sent a full list of assignments and their due dates at the beginning of the course.

Current pacing guides for this course can be found on the [Current Course Offerings page](#) (opens in a new window) on the VirtualSC website.

Course Grades

The final grade in this course results from the following:

- Coursework: 80%
- Final Exam: 20%

VirtualSC Details

Information on VirtualSC student guidelines, policies and technology requirements can be found in the [VirtualSC Student Support Portal \(opens in a new window\)](#).