

CHATTAHOOCHEE HIGH SCHOOL

“A community dedicated to learning and committed to excellence”

AP Statistics 2020-2021 Syllabus

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Content:

This Advanced Placement Statistics course covers all of the topics and meets all of the objectives outlined by The College Board. The four major topics of study include Data Analysis, Experimental Design, Probability, and Inference. All students are expected to take the AP exam on Thursday, May 13th 2021.

The units of study for first semester (subject to change) will be as follows:

| | |
|---------------------|--|
| Data Analysis | Unit 1: Exploring Data Unit 2: Describing Location in a Distribution Unit 3: Examining Relationships |
| Experimental Design | Unit 4: Producing Data: Surveys, Studies and Experiments |
| Probability | Unit 5: Probability and Simulation Unit 6: Discrete Random Variables |

The units of study for second semester (subject to change) will be as follows:

| | |
|--------------------|--|
| Probability and RV | Unit 7: Sampling Distributions |
| Inference | Unit 8: Estimating with Confidence Unit 9: Testing a Claim Unit 10: Comparing Two Populations Unit 11: Inference for Categorical Variables (Chi-Squared) Unit 12: Inference for Regression |

Textbook:

The Practice of Statistics 5th Edition, Yates, Moore, Starnes and Tabor, 2015

eBook Link:

<https://launchpad.classlink.com/fcs> Go to Fulton Classlink, click on Safari Montage, and search for VitalSource. The ebook should show up in the search results.

Grading Policy:

Grades will be based upon the following:

Summative: 80%

Final Exam: 20%

Student Responsibilities:

You are expected to approach this class as a college-level course, and you are expected to seek extra help when needed and spend the necessary time studying. You will be expected to take tests as scheduled even if you are absent for review sessions.

Student Conduct:

All students are expected to be on-time, prepared for class, respectful of others, and involved in all class activities. Appropriate language is expected at all times both when speaking and interacting in a chat.

Honor Code: Students are subject to the Chattahoochee HS honor code and plagiarism policies. More information can be found in the student handbook.

Homework: Optional (but strongly encouraged) homework will be assigned almost daily. Homework will be checked periodically for an unweighted “progress monitoring” grade that will be visible in Infinite Campus to track your progress.

Quizzes: At least one multiple choice quiz will be administered during the middle of each unit using the platform “Quizizz.” These quizzes will be worth a weight of 0.5 in the “Summative” category in Infinite Campus.

Tests: A test will be administered at the end of each unit. Test format will mimic the AP exam with a multiple-choice portion (50%) and a free-response portion (50%). Tests will be announced at least one week in advance. Tests will be worth a weight of 80% in the “Summative” category in Infinite Campus.

Final Exam: A comprehensive final exam will be given at the end of the first semester. A practice AP Stat exam covering the entire course will be given before the actual AP exam and will count as the final exam grade for the second semester.

Extra Help

I am available for extra help during office hours from 7:40 – 8:40 each morning or after school by appointment. Please reach out via email, Remind, or Microsoft Teams to schedule an appointment.

School Board Policy IHA Grading and Reporting System, Provision for Improving Grades

1. Opportunities designed to allow students to recover from a low or failing cumulative grade will be allowed when all work required to date has been completed and the student has demonstrated a legitimate effort to meet all course requirements including attendance. Students should contact the teacher concerning recovery opportunities. Teachers are expected to establish a reasonable time period for recovery work to be completed during the semester. All recovery work must be directly related to course objectives and must be completed ten school days prior to the end of the semester.
2. Teachers will determine when and how students with extenuating circumstances may improve their grades.

Students will have one (1) opportunity to recover a grade of 74% or below on a Summative assessment up to a 75%. Students should be current with classwork/homework as part of the recovery process.

Graphing Calculators:

A graphing calculator is **required** for this course. **I recommend the TI-84 Plus or TI-84 Plus CE.** If you are unable to obtain a calculator on your own, please contact me to receive instructions for an online substitute.

Infinite Campus: Infinite Campus is a software program available to allow parents to keep up with their student's grades. Parents may check individual assignment grades and grade summaries for their student.

Microsoft Teams: Teams will be used daily for synchronous class instruction during your designated class period. All assignments, assessments, and other resources can be found on Microsoft Teams.

Remind: Please register with Remind at this time using class code **perry555** for Period 5 and **apstat77** for Period 7.

Syllabus Verification Form: Your first assignment is to complete the Microsoft Forms link here to acknowledge that you have read and agree to this syllabus:

https://forms.office.com/Pages/ResponsePage.aspx?id=mLHcDGmBcEu6n9p-O6cAwvNsB_lkcyRDuE50FkHiVMBUQ0NKUFZCMVhOM1U2WjhTM1pGMkRNSzIzUy4u

There are also a few fun questions, so don't miss out! 😊

Chattahoochee Web Page: <http://www.chattcougar.com/>

Teacher Web Page: www.mathatthehooch.weebly.com