

AP Statistics Syllabus

Instructor: Ms. Harrison

Classroom: H115

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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

Textbook: Bock, David E., Paul F. Velleman, and Richard D. DeVeaux. *Stats: Modeling the World, 5th edition, 2018*. Boston: Pearson/Addison-Wesley. You do **NOT** need to bring your textbook to class every day. You may leave it at home unless I tell you otherwise.

Materials Needed: Bring these materials every day to class: Pencils, erasers, pens, highlighters, graphing calculator, and lined paper.

Calculators: Every student will need a graphing calculator for use in the classroom, on homework, and on the AP exam. You can use a TI-83, TI-84, TI-89 or the TI-Nspire. I strongly suggest using the TI-84 as that is the calculator I will be using. If you don't use the TI-84 you will be responsible for learning how to use your calculator. Do **NOT** ask me questions on how to use your calculator if it is different from the TI-84. It is crucial that you bring your calculator to class every day!!!!!!

Grading Scale: Grades are based upon classwork/homework, projects, and quizzes/tests. Quizzes and tests will have a 75% weight on the grade. Homework will have a 10% weight on the grade. Projects will have a 15% weight on the grade. The grading scale is below:

- A** Greater than or equal to 90 %
- B** Greater than or equal to 80 % and less than 90%
- C** Greater than or equal to 70 % and less than 80%
- D** Greater than or equal to 60 % and less than 70%
- F** Less than 60 %

Everyone will start the school year with a *Satisfactory* citizenship and work habit grade. You must truly show outstanding work, attitude, and behavior for me to give a mark of *Outstanding*. Students that have 3 tardies will automatically receive a citizenship grade of *Needs Improvement*. Students that have more than 3 tardies will automatically receive a citizenship grade of *Unsatisfactory*. Students that have three missing assignments will automatically receive a work habit grade of *Needs Improvement*. Students that have more than three missing assignments will automatically receive a work habit grade of *Unsatisfactory*.

Notes: Notes will be taken in class daily. If you are absent, it is your responsibility to copy the notes from someone. You will also be given a formula sheet. Every student will need a formula sheet for use in the classroom, on homework, and on the AP exam. Notes and the formula sheet should be brought to class every single day.

Homework: Homework is assigned on a nightly basis and is due the following day unless specified. Homework will be stamped each day at the beginning of class if completed. On quiz and test days, students will turn in all homework. To get full credit on the homework packets, students must have a stamp on every assignment. Homework is graded on an effort basis. Full credit is earned by showing the process of solving the problems. Homework papers with only answers will not earn any credit. Remember **NO WORK=NO CREDIT**. Homework must be done in **pencil**. No credit will be given if assignments are done in pen. In addition, homework assignments should include your **FIRST AND LAST NAME, ASSIGNMENT, ASSIGNMENT NUMBER, and PERIOD**. Homework missing any of this information will not be graded. Time will be given at the beginning of class to answer any homework questions. Homework corrections should be done in pen. No Stamp will be given on homework after I have gone over answers. Doing homework is a critical part of your grade. Late homework for the unit will only be accepted until the day of the unit test for **HALF CREDIT**. Once the test has passed, no late homework for that unit will be accepted.

Projects: Approximately two projects will be given each semester. All projects will be hands-on. Projects include designing surveys and experiments, collecting data, analyzing data, and interpreting the results. Students must write a formal report of their findings and must use statistical language throughout their report. Students need to include graphs in their project, which must be done with computer software. Students will present their projects in front of the class. Completing projects on time is important as all projects will have a 15% weight on the grade. Directions and a rubric for the project will be handed out when it comes closer to the project due date.

Assessment: Quizzes will be given regularly and will encompass the topics covered during the week. A test will be given at the end of each unit. Each quiz and test is cumulative. All quizzes/tests will be the same format as the AP exam. If a student is absent on the day of an assessment, a make-up assessment will be taken on the day the student returns to school, **NO EXCEPTIONS**. It is the student's responsibility to request the make-up assessment upon their return to class. If a student fails to take a make-up assessment, a score of zero will be recorded for that assessment. All tests and quizzes must be done in **pencil**. Any assessment done in pen will not be graded.

Extra Credit: Extra credit may be offered occasionally throughout the school year. For some extra credit you may need to be present in class that day to receive it. If I decide to offer any extra credit it will be announced in class.

AP Exam: All students are strongly encouraged to take the AP exam. There will be extensive review 3 to 4 weeks prior to the AP exam.

Attendance: Students need to be in their seats, quiet, and ready to work when the bell rings. Students not in their seat before the bell rings will be marked tardy. If you walk through the door as the bell rings, you will be marked tardy. It is your responsibility to make up work when you are absent. If you have an unexcused absence, you will not be allowed to make up what was missed in class that day.

Participation: Active participation is a class requirement. Students are expected to answer questions throughout class, do warm up problems on the board, and work in groups frequently. A random number generator will be used to call on students to participate in class.

ACADEMIC HONESTY: Academic cheating will result in a score of ZERO on the assignment, or assessment. Also, an unsatisfactory (U) will be entered for Citizenship and Work Habits for the semester. If you are caught cheating it will also be reported to the assistant principal. It is important to maintain academic honesty in all coursework. It is student's responsibility to read the student handbook to become fully aware of the school philosophy and policy on this subject. Talking during an assessment is considered cheating. Having your cell phone out before, during, or after an assessment is considered cheating. Also, having any unauthorized materials out or present during an assessment will be considered cheating. This includes but is not limited to all personal electronic devices.

Classroom Rules/Expected Behavior:

1. Come to class on time, be in your seat when the bell rings, and have all required materials
2. Be respectful and polite to others at all times.
3. No food or drink (except water) in the classroom.
4. No cell phones or **HEADPHONES**. These items will be confiscated if seen (even if not using) and taken to the assistant principal's office.
5. No hats in class. Take your hat off before you walk in my room.
6. Remain in your seat during the lesson.
7. Keep your desk and surrounding area clean.
8. No sleeping in class
9. No packing up school supplies or standing by the door before being dismissed. The bell does not dismiss you.

Disciplinary Plan: It is important that the classroom rules/expected behavior is followed so that there is a positive learning environment. The disciplinary plan is as follows:

Positive Consequences

1. Verbal praise
2. Remain in current seat
3. Positive home contact

4. No detention
5. Good citizenship grade

Negative Consequences

1. Verbal warning
2. Seat change
3. Parent contact regarding problem and possible parent teacher conference
4. Detention
5. Lower citizenship grade

The disciplinary plan can be followed in any order I see fit.

Extra Help: If you feel like you need extra help with the material, I am available before school, at lunch, and after school by appointment.

Dear Parent/Guardian:

My name is Ms. Harrison and it is a pleasure to have your son/daughter in my AP Statistics class. I look forward to an exciting year. Please take a minute to read through my syllabus as there is important information about my class.

Signing below indicates that you have read the syllabus and understand the class curriculum, classroom rules/expected behavior, and disciplinary plan. Please return this letter to class with your student tomorrow.

Student Name: _____
Student Signature: _____
Period: _____

Parent Name: _____
Parent Signature: _____

PARENT/GUARDIAN CONTACT INFORMATION

Name of Parent 1: _____
Home Phone #: _____
Cell Phone #: _____
Best Time To Call: _____
Email Address: _____

Name of Parent 2: _____
Home Phone #: _____
Cell Phone #: _____
Best Time To Call: _____
Email Address: _____