**AP Statistics**

**Syllabus and Policies (SPRING 2020)**

**Mr. Sever**

**GENERAL:**

It is my hope that you will think this is one of the most useful math courses you have ever taken. It is practical for any profession. It is an AP course so there is rigor, but I believe it is manageable. Students are strongly encouraged to take the AP test in mid-May. Assessments given in class will be consistent with the type of questions on the AP test.

**COURSE CONTENT:**

From the College Board website: (2nd semester is essentially all #4 Statistical Inference) 

Essentially we will

* Look at data to discover trends and deviations from trends
* Learn how to conduct an study, including appropriate sampling techniques
* Predict the future ☺ using probability
* Make educated decisions and conclusions using the data.

Just like statisticians do. (2nd semester)

**CALCULATORS:**

Trust me, your calculator will be your BEST friend. You need to have a TI-83 or an 84 (84 will make your life a little less stressful). An Ti-89 will also work. An nspire will also work. (I plan on using the TI-84)

**NOTEBOOKS:**

You are all upperclassman, I will not tell you what type of notebook to use, however you will need to take good notes. This course is different from other math courses, it involves much more reading and writing. Some notes may be put on my blog but please do not expect me to type your notes for you.

**TESTS/QUIZZES:**

Quizzes will be given periodically and will USUALLY be announced. They are to let you know where you are doing well and where you need extra help. Tests are much more comprehensive and will mirror the type of questions you will see on the AP exam. Most tests will be a combination of Multiple Choice and Free Response. They are designed to be challenging and mirror the work you have been doing in class and homework. If a test is missed it can be made up at my convenience (usually before or after school). A grade of 0 is given until the test is made up.

 ***NEW FOR 2019: MAKEUP TESTS MAY NOT THE BE SAME TEST THE OTHER STUDENTS TAKE. IT WILL NOT BE HARDER, BUT IT WILL BE DIFFERENT.***

**FREE RESPONSE QUESTIONS:**

Free response questions are essential to doing well in statistics. You will be expected to complete one each unit. Some will be take home and some will be in class. I will use the college board rubric to grade. The goal is to get you very comfortable with these type of questions. 1=60; 2=72; 3=85; 4=100

**HOMEWORK:**

This is a college level class. Homework will be assigned often. Homework will be due on the day of the test. Homework will count as part of your test grade. If you have an 85 or above in the class (the day the test is given) you do not have to turn in homework.

**PROJECTS:**

Statistical projects or studies are an important component of learning statistics. Expect at least two projects for Fall Semester

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**\*\*\*\*\*GRADES:** *What you have been waiting for:* DIFFERENT FROM FIRST SEMESTER

Tests: 45% Free Response Questions: 15% Quizzes: 15% Homework: 5% Final Exam 20%; (Part of the final will be a practice actual AP test)

**EXTRA HELP AND A FINAL THOUGHT.**

I am here to help you. I will usually be here before and after school every day. Please communicate with me if you are having trouble and do not hesitate to come for help. You are all young adults, take responsibility for your OWN learning. Attitude and Effort are probably the only two things you can control 100% of the time. If your attitude and effort are good this should be a good year.