**AP Statistics Syllabus and Policies**

**Mr. Sever (Fall 2019)**

**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: 

Essentially we will

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

Just like statisticians do. (Spring)

**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). A Ti-89 will also work. An Nspire will also work but the keystrokes are totally different than what you will see in class. (I plan on using the TI-84)

**NOTEBOOKS/TEXTBOOK**

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. You will be expected to get the textbook and read the textbook. Unlike traditional math classes this class spends a lot of time interpreting x, not just finding x.

Textbook chapters covered first semester are 1-7, second semester, 8-12. (However we do chapter 4 first)

**TESTS/QUIZZES**

Quizzes will be given periodically and will USUALLY be announced. They are to let you (am me) 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. *Make up tests will NOT be the same test that was given on test day.*

**FREE RESPONSE QUESTIONS:**

Free response questions are essential to doing well in statistics. You will be expected to complete one each unit. They will be completed in class, usually the day before the unit test. They are timed and I will use the College Board rubric to grade. (Therefore you have to know your stuff to get an A) The goal is to get you very comfortable with these type of questions.

**HOMEWORK:**

This is a college level class. Homework will be assigned per chapter. Homework will be posted on the blog and one the guided notes. Homework is generally out of the textbook. During the first unit homework will be turned in by EVERYONE the day of the test. If you can maintain an average of at least an 85 after the first test you are exempt from turning in homework. If your average gets below an 85 you must turn in homework again.

**PROJECTS:**

Statistical projects or studies are an important component of learning statistics. Expect one or two projects per semester. Projects will take some work and are not an “automatic A”.

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**GRADES:**

What you have been waiting for:

Tests: 40% Projects: 5% Quizzes: 15%

Homework: 5% Free Response Questions: 15%

Final Exam 20% (Spring will be 10% practice AP test and 10% final “assignment”)

**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.