

Northampton Area High School

Classroom Guidelines for AP Statistics with Mrs. Sterner

Course Code: M313AP

Board Approval Date: August 27, 2018

Course Textbook: Stats – Modeling the World: AP Edition, 2nd Edition
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Schoology: Homework assignments, videos of notes covered in class, pictures of book problems, handouts, and upcoming dates of quizzes/tests will be posted. Use this resource daily to stay up-to-date with the class. Download the app to your phone and keep notifications turned on.

Chapters Covered: This course covers chapters 1 – 27 (the whole book)! We will get through all chapters in the book with enough time to review in the weeks before the AP exam in May.

Topics Covered:

- Part 1: Exploring and Understanding Data
 - Bar charts, pie charts
 - Dotplots, histograms, stemplots, timeplots, boxplots
 - Normal (bell-shaped) distributions
- Part 2: Exploring Relationships between Variables
 - Scatterplots
 - Linear regression and re-expressing data
- Part 3: Gathering Data
 - Simulations
 - Samples
 - Experiments
- Part 4: Randomness and Probability
 - Formal probability
 - Geometric and binomial models
- Part 5: From the Data at Hand to the World at Large
 - Confidence intervals for 1 and 2 proportions
 - Hypothesis testing for 1 and 2 proportions
- Part 6: Learning About the World
 - Confidence intervals for 1 and 2 means and paired data
 - Hypothesis testing for 1 and 2 means and paired data
- Part 7: Inference when Variables are related
 - Chi-squared hypothesis testing
 - Linear regression slope confidence intervals and hypothesis testing

Class Preparedness: You must bring the following items to class each day:

- Pencil or Pen (*not red*)
- Notebook (3-ring binder)
- Calculator (TI-89 or TI-84 is required for this class)

Class Notebook: Throughout the course of the year, you will receive a lot of handouts in this class. I highly recommend you have a separate notebook for AP Stats. Divide your notebook into three sections: Warm Ups, Notes, and Homework. You will be receiving handouts for your warm ups and a notes packet for every chapter, and you should have lined paper for your homework. Stay organized and do not throw anything out. There will be a notebook quiz at the end of every marking period.

Warm Ups: Every class period will start with a warm up question. It is generally a review of what we learned the previous day in class or something to get you thinking about that day's lesson. These sheets will be turned in every Friday for 5 points, 1 point for each day.

Homework: Homework out of the book will be assigned almost every class and checked periodically at the start of the following class for credit. These assignments out of the book will be checked for completeness, not correctness, and will be worth 4 points. We will then go over these problems together as a class. There will also be homework that will be collected and graded for correctness; these will be announced upon their assignment and are usually between 10 and 20 points. It is the student's responsibility to complete and/or hand in any homework that was checked or collected.

Quizzes and Exams: Chapter quizzes will be given following almost every chapter. There are generally about six or seven quizzes a marking period, each around 10 – 20 points. The textbook is divided into seven parts (each consisting of several chapters). There will be an exam following each of those seven parts, along with one take-home exam, for a total of eight exams. There are two exams each marking period, each around 65 – 85 points. If you miss a test because of a legal absence, it is your responsibility to arrange a time to make up the test.

Attendance: If you are absent, it is your responsibility to make up any missed work. Check Sapphire often for any graded assignments that you missed. After returning from an absence, it is the student's obligation to contact the teacher or a classmate, and/or go on Sapphire to find out about make-up work. If work (assignment / quiz / test) is due the day you are absent, it is then due on the day you return. A student who is frequently absent will find it difficult to be successful in an AP course in his or her class work, on tests, and on the AP Stats exam.

Grading Policy: Grades are based on total points accumulated throughout the marking period from quizzes, exams, homework, and class work. Grades will follow the district grading policy. If, after halfway through a given marking period, a student has an average less than 80, the parents / guardians will be notified of the situation by the mailing of a warning card home.

Sapphire Gradebook: Gradebook should be checked often to keep up with your grade and also to make sure your grade is accurate. If there is a conflict between the grade I show you in class and the grade that is on Gradebook, you must notify me immediately.

Final Exam Policy:

You will be exempt from the Final Exam if your final average is at least a 90%.

Summer Assignment:

As a part of enrolling in an AP course, you are required to complete the summer assignment and turn in all components on the first day of school.

Required Practice Test:

All members of the class will be required to participate in a practice examination in preparation for the actual AP exam. This generally occurs about 4 – 6 weeks before the actual exam. The actual AP Statistics exam usually takes place during the second week of May.

Other Guidelines:

- In the instances of cheating, all persons involved will receive a zero (0) for that assignment.
- Keep electronics (cell phones, iPods, etc....) out of sight when I am teaching. Be respectful.