

Syllabus, 2018-2019

A.P. Statistics

Mr. Lindsay, Smithsburg High School

Textbook: *The Practice of Statistics*, Fourth Edition, W.H. Freeman and Co. 2012

Course Outline: A.P. Statistics, Full Year

Marking Period 1 = Chapters 1-3

- Exploring Data
- Normal Distributions
- Unit 1 Review and Test
- Examining Relationships
- More on Two-Variable Data
- Unit 2 Review and Test

Marking Period 2 = Chapters 4-7

- Producing Data
- Unit 3 Review and Test
- Probability: The Study of Randomness
- Random Variables
- Binomial and Geometric Distributions
- Unit 4 Review and Test

Marking Period 3 = Chapters 8-10

- Sampling Distributions
- Introduction to Inference
- Unit 5 Review and Test
- Inference for Means
- Inference for Proportions
- Unit 6 Review and Test

Marking Period 4 = Chapters 11-12

- Inference for Tables: Chi-Square Procedures
- Inference for Regression
- Unit 7 Review & Test
- Cumulative Review for AP Test

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- A.P. Statistics Test
- Post-Test Topics
 - Research/Project
 - Final Exam

Grading Policy:

A = 90% and above
B = 80% to 89%
C = 70% to 79%
D = 60% - 69%
F = Below 60%

Marking Period Grades:

Unit Tests = 50% of total
Quizzes = 25% of total
Assignments = 25% of total
Marking Period % Grade = (points earned ÷ possible points) x 100

Final Grades:

To compute, add each marking period percentage, and then divide by four to find your overall percentage average.

Routines/Procedures/Policies:

Beginning Class: Come to each class prepared to learn and to participate. For each class, you will need to be in your assigned seat before the late bell rings with your required materials, which include: pencil(s), pen(s), notebook (preferably a 1- to 2-inch, 3-ring binder filled with notebook paper), and a textbook. It is also required that you have a TI-83 graphing calculator (or TI-84 or higher). Once seated, complete the Warm-Up Problem and copy the day's objective to begin your notes for that class. Please refrain from asking me any questions during the first five minutes of class, which is your time to get settled and do the Warm-Up problem, and is my time to check attendance and perform any other administrative-type duty. The only students who should address me during the first five minutes of class are those students who have attendance notes from a previous day's absence.

During Class: MATH IS NOT A SPECTATOR GAME! I expect you to pay attention, ask questions, give your input, take thorough notes, work on practice problems, and CHECK YOUR WORK when we review assignments and practice problems. When asking questions or providing input, please raise your hand and wait to be called. I also want you to THINK for yourself -- if you are struggling with a problem, first check your notes on your text, then check with a classmate. If those options do not produce results, then check with me. Be An Active Learner!

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Assignments: If you miss an assignment due to an excused absence, you will have three school days to turn it in, beginning with the day of your return, without being penalized. All make-up assignments must be completed within the same unit -- once we take a unit test, you cannot turn in any assignment that was assigned in that unit. Late work that is not due to an absence will result in a penalty of at least two points.

A.P. Test: It is an expectation that all students enrolled in this course will take the A.P. Statistics Exam on Friday, May 17, 2019. A score of 3, 4 or 5 is a passing score possibly earning college credits.

No Cell Phones in Class.

Communication: If you have an issue with anything that is related to this class, please let me know as soon as you can, not after it is too late. Feel free to speak with me prior to or after class, but not during class time. Also, feel free to e-mail me. I can be contacted at the following address:

lindstev@wcps.k12.md.us

