

AP Statistics

2019-2020 --- Mr. Cedarlund --- Sheldon High School

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Daily Blog : *http://blogs.4j.lane.edu/cedarlund/* for assignments, help, etc

I advise you to bookmark my web page. It is expected that you will always check it if you miss class. Assignments and other information will be posted here.

Phone: 541-790-6767 (in B22)

Getting Help: Daily *before school (7:45 – 8:15 am) and some days after school.*

Remind App for this class: Enter 81010 text this message: @mrmrceda

Prerequisites: Completion of Algebra II with A's or B's.

Course Goals / Standards

- ✓ To help you become an educated consumer of data and statistical claims.
- ✓ To introduce you to the practice of doing statistics. Along the way I hope you will see the many and varied applications of statistics in medicine, business, psychology, environmental science, and other fields.
- ✓ To prepare you to take the AP Statistics exam in May.

Course Description: The AP Stats course is a college level course designed to provide you with a learning experience equivalent to that of an introductory college course in statistics. Statistics is not simply number crunching - it is a process of interpreting and writing about the data. You will learn clear communication of your thinking, statistical methods and conclusions. The three big ideas of the course are:

1. **Variation and Distribution:** *Statistical methods, based on probability, will provide us with the likelihood that variation between statistical samples and populations are meaningful or not.*
2. **Patterns and Uncertainty:** *Simulation and reasoning will allow us to anticipate patterns in data and to determine the likelihood of errors in inference.*
3. **Data-Based Predictions, Decisions, and Conclusions:** *Collecting data using random sampling or randomized experimental design will help us generalize conclusions about part of the population from which the selection was made. Statistical inference will allow us to make data-based decisions.*

To see the detailed AP Course Content for this course, use the following link (link also on class website):

<http://blogs.4j.lane.edu/cedarlund/files/2019/08/ap-statistics-course-and-exam-description-starting-Fall-2019.pdf>

Supplies:

- ✓ **Textbook** (The Practice of Statistics, AP Edition, 6th Edition, Starnes, Yates, & Moore, 2019)
- ✓ *Strive for 5* which is a softcover review book. DO NOT write in this book.
- ✓ **Calculator** – MANDATORY, no exceptions - with statistical functions (TI-83 or 84)
- ✓ **Three-ring binder** (1.5 inch) with dividers labeled as follows:
 - **Statistical Tools:** Tables, Formulas, and Calculator Instructions
 - **Notes:** On most days, you write on Prepared Notes which will be provided for you. Keep these organized the entire year in your 3-ring binder. You will be using them to review throughout the course and for the AP Exam as well. You may even want to have labels for each of the 12 chapters in your 3-ring binder.
- ✓ **Pens and pencils, ruler, and occasional pieces of lined paper.** *You may use either pen or pencil. I expect to be able to easily read your writing.*

Practice:

- **What do I think daily homework is for?** It lets you:
 - ✓ Practice what you've learned & discussed in class
 - ✓ Prepares you for the next time we meet and for upcoming topics
 - ✓ Prepares you for tests in this class and for the AP Exam.
- Expect daily homework assignments to develop your skill and understanding. You are expected to do your homework and check the solutions each day before you return to class. Typical homework assignments will be collected *on a random basis* and then returned to you. In addition, you will also turn in *all assignments* at the end of every Chapter. You are expected to show all work and use complete sentences on written responses.
- Regular LCQ's (learning check quizzes) will be given to assess that you understand recent material. Do not expect to do well on these quizzes or tests IF you have not completed the assignments authentically. LCQ's are normally not announced. Do not expect to do well on the AP exam without authentically doing the assignments as you progress through the course.

Components of Trimester Grade - *I plan to update grades on Synergy weekly, if not sooner.*

15% **Practice:** Daily Assignments and Miscellaneous Graded Learning Activities

15% **LCQ's** (Learning Check Quizzes). I will drop one third of them at the end of the trimester.

70% **Tests** which may include a Trimester Exam. There will be a small project that will count in this category.

The AP Exam

Friday, May 15th, 2020 in the afternoon

College Credit

Various universities require different scores for credit. There is a link on my website that you can use to check on any college. *For examples: The University of Oregon will award 4 units of credit for Math 243 if you earn a 4 on the AP Stats exam. The University of Washington or UCLA, on the other hand, will give you college credit with a score of 3.* Students who wish to score a 3 or better need to study, work hard throughout the course, and do extensive practice/review before the exam. There is a fee to take this exam. Listen on the daily announcements starting in October.

Academic Honesty

Academic Honesty: Collaborate responsibly and submit your own work. I value collaboration and encourage you to form study groups because it can facilitate learning, but it is essential that everyone learns the material. Collaboration has little value if each group member works only a few problems and just copies the rest. It is better to make an honest attempt at every problem and then compare and discuss your results. Academic honesty should be maintained at all times. Academic dishonesty issues will be handled in accordance with the school policy.

Academic dishonesty includes, but is not limited to:

1. *Communicating verbally or nonverbally in order to exchange information during a test, quiz, or other assessment*
2. *Giving or receiving information during a test, quiz, or other assessment without permission*
3. *Using unauthorized materials during a test, quiz, or other assessment*
4. *Copying the work of another and presenting it as your own*
5. *Storing inappropriate material on your Graphing Calculator. I reserve the right to clear your calculators of any programs or applications before or after a test.*
6. *Being absent on a test day and asking others about the test.*
7. *Helping someone else to cheat.*

My Expectations

1. Work on activities and assignments from this class only during the period. Sorry.
2. If absent,
 - A. **Always check the class website** BEFORE you get back to class.
 - B. When you return to class, always pick up class papers from the basket titled "**AP Stats**"

The length of time you have to complete missed work will be the same length that you were absent (Example: If you were absent 2 days, you have 2 days to complete missed work/quizzes)

3. I don't mind if you **BRING** beverages and light snacks as long as
 - ✓ you are not tardy.
 - ✓ you don't leave class to go get them.
 - ✓ keep your food to yourself (in other words, you don't disrupt the class)
 - ✓ No fast food soda cups that tip over easily and get the desks sticky.
 - ✓ No stinky fried foods that smell up the class! Sorry no Hamburgers, fries, Ron's, etc
4. Cell Phone Addiction
 - ❖ Cell phone use is rampant if there are no limits. If you use your cell phone during class, I will confiscate it for at least one period after your class. *This includes peeking at it in your pocket or your purse.* No warnings. *If you absolutely need to use your phone, then ask to go into the hall to do so. This should not happen often.*
 - ❖ You can use your cell phones the last 2 minutes before the end of class for organizational reasons, but no other time.
 - ❖ Do not listen to music or use electronics during lessons, discussions, group work, or tests. I don't want to see headphones or earbuds.
5. You are all young adults, so there is no need to ask to go to the bathroom, but...
 - a) **Just make sure I know before you leave.**
 - b) Never leave during a test or quiz.
 - c) Don't make it a daily habit.
6. Tardiness: The fifth tardy can earn you a Mr. C lunch/before school detention.

Important Deadlines

- Pass/No Pass option is available for seniors only and must be requested by the 15th day of class. Talk to your counselor and be 100% sure that any potential college you may attend will accept this.
- Partial credit may be issued under certain circumstances based on attendance and individual situations.
- You can drop a class for any reason through day 15, with no record you were ever enrolled.
- From Day 16 until the day date of AP registration, you can withdraw from the class, but a WD will show on your transcript. A WD does not affect your GPA. If you want out of the class after the AP registration date, you will receive a WF, which is a withdraw/fail, and will be equivalent of failing the class in terms of GPA.