

AP Stats
MRS. HOGAN - rm 202
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Overview

COURSE DESCRIPTION:

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-84 (TI-83 is acceptable, but not as powerful a tool) graphing calculator, Fathom, and Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

COURSE GOALS:

In AP Statistics, students are expected to learn

Skills

- To produce convincing oral and written statistical arguments, using appropriate terminology, in a variety of applied settings.
- When and how to use technology to aid them in solving statistical problems

Knowledge

- Essential techniques for producing data (surveys, experiments, observational studies), analyzing data (graphical & numerical summaries), modeling data (probability, random variables, sampling distributions), and drawing conclusions from data (inference procedures – confidence intervals and significance tests)

Habits of mind

- To become critical consumers of published statistical results by heightening their awareness of ways in which statistics can be improperly used to mislead, confuse, or distort the truth.

Text: The Practice of Statistics (5th edition), by Starnes, Tabor, Yates, and Moore, W. H. Freeman & Co., 2014.

Student Expectations: *Please refer Attachment A for Helena School District Student Expectations for Blended and Digital Learners*

General expectations:

- ***Be Responsible***
 - 1) **Cell Phone / Electronic Device Policy** – Students will use electronic devices APPROPRIATELY. The use of cell phones is unacceptable unless given prior approval by Mrs. Hogan on an individual basis.
 - 2) **Attendance** - Whether in person or online, attendance is mandatory. Helena High has accepted rules and procedures for dealing with absences and tardiness.
 - 3) **Required materials** – paper, pencil, notes, assignments, TI-84 calculator
 - 4) All work will be done in ***pencil***.

- ***Be Involved***

1. **Work in class** – participation is required on a daily basis when working individually, in pairs, in groups, when asked to do board work. When you are able please help others.
2. **Do homework** – Assignments will be posted on Moodle on a weekly/daily basis. Work at home, utilize acceptable websites such as www.whfreeman.com/tps5e.
3. **Ask questions** – Ask questions in class, during Teams meetings, through Teams chat, through school email.
- 4.

- ***Be Respectful***

1. Speak to your peers, teacher and guests in a respectful manner whether in person or virtually! Use **positive** and **complimentary** language.
2. Control your behavior – allow others to learn!
3. While I am speaking to the class, I expect you to be engaged in learning.

- ***Be a Graduate***

1. Take pride in your work.
2. Ask for help – in person in class, during Teams meetings, through Teams chat, through school email.
3. Put forth effort!

Grading Scale:

90 – 100% - A
80 – 89% - B
70 – 79% - C
60 – 69% - D
<60% - F

Grades and Homework:

Daily work, tests, quizzes and other projects will determine grades. AP Statistics is a college level course requiring approximately 30-60 minutes of homework each night. Often you will be given class time to work. **If a review or quiz or test is missed because of an excused absence, you may be required to take the test the day of your return to class. Project due dates will be strictly adhered to.** Your grade will be figured on a weighted scale with 80% going towards tests, quizzes and other projects and 20% going towards homework. An assignment sheet will be given at the beginning of each chapter and will be posted on-line.

For information regarding the class, daily assignments, and other pertinent information please go to the Helena High School website. Go to the **About HHS** drop down menu and choose **Teacher Pages**. Choose **Barb Hogan** and then your class – **AP Stats**. ***Access Moodle for assignments, videos, resources, teacher access during in-person and virtual learning days.***

Attachment A

6-12 STUDENT LEARNING EXPECTATIONS

For Students

- A blended learning experience is not easier or harder than a traditional school day, it is just different.
- As we enter the 2020-21 school year, the expectations for learning in a remote and blended environment have **accelerated** since last spring.
- Be prepared to complete schoolwork 5 days a week regardless of whether we are at school or online.
- Homework and assignments will be posted to Teams and teacher webpages on Mondays. Start there each week. Manage your time daily with a planner or online calendar. Assignments will be posted weekly in PowerSchool.
- Check your school email and Teams daily and touch base with your teachers as often as possible.
- During a blended or remote learning environment, students will always act with academic integrity. Academic honesty is paramount to student learning in a blended environment that requires remote learning in addition to attending school in the building. Students are expected to act as they would in a traditional school setting and submit work that represents their authentic learning. Failure to do this will result in following school and district protocol for student plagiarism.

Be Involved	Be Respectful	Be a Graduate	Be Responsible	Take Care of Yourself!
<ul style="list-style-type: none"> <input type="checkbox"/> Join a club or activity. <input type="checkbox"/> Encourage your peers in their endeavors. <input type="checkbox"/> Participate in virtual school spirit activities. <input type="checkbox"/> Participate in all assigned Teams chats/discussions. <input type="checkbox"/> Volunteer in the community. (Reach out to our community through service learning.) <input type="checkbox"/> Help other students virtually when needed. <input type="checkbox"/> Develop and promote a positive mental attitude. <input type="checkbox"/> Take care of your social/emotional health – reach out to counselors and for resources when needed. 	<ul style="list-style-type: none"> <input type="checkbox"/> Use school-appropriate and positive words in all communications (smile) through Teams. <input type="checkbox"/> Do not remove other students from a Teams call/meeting. <input type="checkbox"/> Use your school email and Teams for communication with your teachers and your peers. <input type="checkbox"/> Try not to read tone into communications from teachers/fellow learners. <input type="checkbox"/> Respect your teachers’ personal time in hours outside of school time. <input type="checkbox"/> Be honest with your teachers and parents/family when discussing work completion and grades. <input type="checkbox"/> Realize teachers have 24 hours to reply to emails and Teams chats during the school week. Try to use teacher office hours as much as possible. 	<ul style="list-style-type: none"> <input type="checkbox"/> Remember the goal is that YOU LEARN! <input type="checkbox"/> School is 5 days a week. You will have activities each day for each class whether online or in-person. <input type="checkbox"/> Check Teams daily for each class. <input type="checkbox"/> Plan to do schoolwork each day. Realize that in-person school is six hours a day, so plan your online work accordingly. <input type="checkbox"/> Set aside a quiet time and space to work at home each day. <input type="checkbox"/> Carefully read and follow all communication from your teachers (weekly agendas, posts in Teams, assignment directions, etc.). <input type="checkbox"/> Engage in all online tasks provided by your teachers (watch videos, read text, complete assignments and tests, etc.). <input type="checkbox"/> Challenge yourself to do your best. Take pride and ownership of your education to prepare yourself for your future. 	<ul style="list-style-type: none"> <input type="checkbox"/> Turn in assignments on time. <input type="checkbox"/> Seek help when needed. <input type="checkbox"/> Acknowledge teachers’ digital communications. <input type="checkbox"/> Check PowerSchool at least once a week. <input type="checkbox"/> Use a calendar or planner to organize your week. <input type="checkbox"/> Follow rules of academic integrity/honesty. Your work must be original; create authentic work. <input type="checkbox"/> Engage in each class daily (Monday-Friday). <input type="checkbox"/> Be an active learner. <input type="checkbox"/> When you have an online meeting with a teacher, join a few minutes early. Communicate with your teacher ahead of time if you cannot make the meeting. <input type="checkbox"/> Take care of your school-issued device. <input type="checkbox"/> Follow the school dress code when participating in live meetings and recording videos for class assignments; make sure your background is school appropriate. 	<p><i>School Counselor Contacts:</i></p> <p><i>Jaime Dandis (A-E)</i> jdandis@helenaschools.org 406 282-4178</p> <p><i>Ellaina Staldine (F-L)</i> estaldine@helenaschools.org 406 640-3117</p> <p><i>Jason Murgel (M-R)</i> jmurgel@helenaschools.org 406 290-9449</p> <p><i>Chrissy Murgel (S-Z)</i> cmurgel@helenaschools.org 406 426-1272</p> <p><i>Corena Hall, Office Manager</i> chall@helenaschools.org</p> 

Helpful Resources

Not sure how-to login? Start here: <https://helenaschools.org/remote-learning/remote-learning-bridge/>

Need a guide for using Teams? Try this: <https://go.microsoft.com/fwlink/?linkid=2131456>

Can't log in to Teams or Clever? Ask your teacher to email the help desk!

Parents need access to PowerSchool? Have them call your school office.

Trouble with your Chromebook? Try holding the power button down and re-starting. For more information, check here: <https://support.google.com/chromebook#topic=3399709>

