

AP Stats Syllabus
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Classroom Canon

- RESPECT your peers, your teacher, and yourself.
- LISTEN to your teacher, yourself, and your peers.
- CRITICIZE yourself, your peers, and your teacher.
- QUESTION everything!

Course Content

The course curriculum follows the College Board's [*AP Statistics Course and Exam Description*](#). In particular, we will cover the following units.

- Unit 1: One-Variable Data
- Unit 2: Two-Variable Data
- Unit 3: Collecting Data
- Unit 4: Probability, Random Variables, and Probability Distributions
- Unit 5: Sampling Distributions
- Unit 6: Inference for Categorical Data: Proportions
- Unit 7: Inference for Quantitative Data: Means
- Unit 8: Inference for Categorical Data: Chi-Square
- (Unit 9: Inference for Quantitative Data: Slopes)

Course Objective

The primary objective of this course is to emulate an undergraduate introductory statistics class. Specifically, the use of class time, workload, exam schedule, and content aim to mimic that of a college course. The secondary goal is to have students complete meaningful inference in the month following the Advanced Placement Exam through concrete data collecting methods.

Grading Policy

Math is about solutions, not answers. For all homework, quizzes, and tests, finding the correct numerical answer without supporting it will earn little to no points. Instead, I want to see the steps you took to solve the problem. A sufficient solution with the wrong final answer scores full points on homework and most of the points on examinations.

Homework (35% of grade)

- Homework assignments are due about every other week.
- Each assignment is graded out of 5 points as follows.
 - (5) Excellent: complete and correct mechanics
 - (4) Sufficient: complete and some incorrect mechanics
 - (3) Insufficient: incomplete and/or incorrect mechanics
 - (0-2) Missing or incomplete
- Late work policy: submissions less than a week late can earn up to a 4, and submissions a week or more late can earn up to a 3.
- Resubmission policy: problem sets that score less than a 4.5 may be corrected and resubmitted within one week to earn up to a 4.5.

Participation (0% of grade)

Every couple weeks, students will receive a participation score out of 5 points. Each participation score is graded as follows. See next page for detailed rubric.

- (5) Excellent: participation exceeds expectations
- (4) Sufficient: students achieve what is asked of them
- (3) Insufficient: there is a noticeable lack of participation
- (0-2) Unexcused: student is absent or disrupts their peers

Quizzes (20% of grade)

- Canvas Quizzes for each Unit and some AP Classroom quizzes.
- Problems are all AP multiple choice questions.
- You have three attempts for each quiz.
- Late quizzes can earn up to 80%.

Tests and Projects (45% of grade)

- There are two sixty minute tests each quarter.
- If you anticipate missing a test date, you must take the test *before* the test date.
- Each test is graded on correctness and work shown.
- Resubmission policy: tests that score less than a 70% may be corrected at home and resubmitted within a week to earn up to a 70%. There are no retakes.
- There is a project due at the end of the course.

Daily Participation Rubric

5) Excellent

- Asking good questions
- Helping peers
- Contributing to class discussions
- Doing problems on the board
- Correcting teacher mistakes
- Consistent hard work

4) Sufficient

- Prepared: attendance, class notes, pencil, computer
- Engaged in class
- Doing the work that is asked
- Not talking over others
- Talking in group

3) Insufficient

- Disruptive behavior
- Tardy
- Not listening to others
- Sleeping
- Put “not” in front of anything above

0-2) Unexcused

- Missing class
- Swearing at others
- Phone use
- Aggression
- Vandalism

First Semester

1 - September	2	3 Unit 1	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27 Test Unit 1	28
29	30 Unit 2	1 - October	2	3	4	5
6	7	8	9	10	11 Inservice	12
13	14	15 Unit 3	16	17	18	19
20	21	22	23	24	25	26
27	28 Unit 4	29	30	31 Test Units 2,3	1 - November End Q1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26 Test Unit 4	27	28	29	30
1- December	2 Unit 5	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1 - January	2 Unit 6	3	4
5	6	7	8	9	10 Test Unit 5	11
12	13	14	15	16 End Q2	17 Inservice	18

Second Semester

19 - January	20	21	22	23	24	25
26	27	28	29	30	31 Step Up Day	1 - February
2	3	4	5	6	7	8
9	10	11	12	13	14 Test Unit 6	15
16	17	18	19	20	21	22
23	24 ISIP->	25	26	27	28	1 - March
2	3	4	5	6	7 <-ISIP	8
9	10 Unit 7	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25 TH Test Unit 7	26	27 End Q3	28 SLC	29
30	31 Unit 8	1 - April	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18 Test Unit 8	19
20	21	22	23	24	25	26
27	28	29	30	1 - May	2	3
4	5	6	7	8 EXAM!!!	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1 - June	2 Projects Due	3	4	5	6 End Q4	7