



# AP INFO NIGHT

Ms. Harrison

AP Statistics

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# Course Outline

- Students will be introduced to major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four broad conceptual themes:
  1. Exploring data: describing patterns and departures from patterns
  2. Sampling and experimentation: Planning and conducting a study
  3. Anticipating Patterns: Exploring random phenomena using probability and simulation
  4. Statistical inference: estimating population parameters and testing hypotheses

# Requirements/Prerequisites

- Successful completion of math 1, math 2, and math 3
- Students who have taken math 1, 2, or 3 over summer are rarely successful in an AP class and on the AP test
- All AP classes are college level courses; the instructors do not have the time to review concepts from lower level courses. It is assumed students entering the course have mastered all the material from the lower level courses.

# Student Schedules

- Highly recommend taking AP statistics and AP Calculus at the same time.
- Highly recommend taking AP Statistics and trig/pre-calculus at the same time.
- Highly recommend taking AP Statistics and AP Biology at the same time
- Highly recommend taking AP Statistics and AP Psychology at the same time

# AP Statistics Expectations

- Most majors in college require students to take an upper level course in statistics, for which AP Statistics is effective preparation
- Students will work on math homework 6-7 nights a week
- Collaboration is highly recommended
- Materials, especially a graphing calculator, brought to class daily
- Grades will consist of homework, projects, quizzes, tests, and finals.
- All school rules are expected to be followed.

# Graphing Calculator

- All students will need to purchase a graphing calculator for use in the classroom, at home, and on the AP test.
- Note that I teach with the TI 84 and I highly recommend that students purchase a TI 84.
- Other graphing calculators are ok, but students will be responsible for learning how to use them.

# AP Exam

- It is assumed that all students are taking the AP exam.
- The AP statistics exam consists of multiple choice, free response, and an investigative task.
- The AP exam signified how qualified students are to receive college credit or placement.
- Some colleges will accept a score of 3 or better while other colleges will only accept a score of 5 for college credit.