Description and Expectations

Course:
AP Statistics

Instructor(s):
Stein

Time expectations/requirements:
- Minimum 1 hour per night on written homework, reading notes and text. Reading from additional statistics sources (such as 5 Steps to a 5 or Barron’s AP Test Prep) is highly recommended.
- Minimum 1 hour per week on preparation problems for the AP test – especially second semester.
- 12-15+ hours outside of class on semester projects

Course Content, Standards and Description:
AP Statistics is a class designed to prepare the student for the AP Statistics Exam. The material to be covered is explained in the attached Course description, provided by the College Board Advanced Placement Program. This one-year high school course covers the equivalent to a one-semester, introductory non-calculus based college course in statistics. An introductory statistics course, similar to the AP Statistics course, is typically required for majors such as social sciences, health sciences and business. Science, engineering and mathematics majors usually take an upper-level calculus-based course in Statistics, for which the AP Statistics course is effective preparation.

Homework: Frequency/ policy:
Homework will be assigned daily. Although nightly problem sets MAY not be as long as in many of the other mathematics classes, rereading of material for conceptual understanding is necessary. Reading and writing are in-depth and precise, as the comprehension and usage of language and competent writing ability is as important as working with the mathematical content in Statistics. This is different from previous mathematics courses in that it is actually a combination of the abilities in mathematics, writing, discussion, scientific creativity and critical “out of the box” thinking.
Time spent nightly: at least one hour

Testing: Types/ Frequency/ Policy:
Quizzes: one every week to week and a half
Tests: about every two weeks
Finals will be administered at the end of each semester.

Laboratory/ Research/ Special Projects:
Description of special projects: There will be group research projects and presentation at the end of each semester. The emphasis will be to incorporate knowledge and methodology learned up to that point. The second semester project is especially comprehensive in demonstrating usage of proper techniques, concepts, mathematics and analysis and being able to work well in as a member of a research team. Library research is included as part of the proposals for the projects. Working time spent will be mainly outside of class and additional to daily work.

Additional requirements:
Access to computer and printer
Access to Internet for homework and readings and text connections
Graphing Calculator appropriate for use on the AP Statistics Exam
At least one other source for AP Study (5 Steps, Barron’s, etc.)