

Statistics (on-level)– Elkins High School

Mr. Corrington



Course Description

Statistics emphasizes logical thinking and its application in the informal justification and formal proof of conjectures. There are 4 primary areas that this course will address: exploratory data analysis, experimental design, probability and simulation, and statistical inference. The expectations of the students are to identify independently the appropriate techniques needed to complete their work. Investigations utilizing tools including technology allow and require independent thinking during class time. The approximate outline of the semesters are below:

Semester 1

Analyzing One-Variable Data
The Normal Curve
Analyzing Two-Variable Data
Study Design
Probability

Semester 2

Random Variables and Distributions
Inference and Confidence Intervals - Proportions
Inference and Confidence Intervals - Means
Statistical Studies

GRADING POLICY

Students are responsible for the grade they wish to earn in this class. Diligent students who keep up with all assignments and seek help when needed typically do well in this course. Grading procedures follow the district guidelines, which require at least 3 major grades (50%) and at least 6 daily grades (50%) each 9-week grading cycle.

Nine weeks grades will consist of:

50% Daily Grades

- Quizzes
- Online Assignments
- Homework Checks, some In-class activities

50% Major Grades

- Tests
- Some Projects

CLASS WORK/HOMEWORK

Class work/Homework is an essential part of this course. **You must show work on all assignments when applicable.** Assignments will generally be used as practice; however, some assignments may be taken for a grade. There will be frequent quizzes based on homework assignments.

Assessment Policies:

- Statistics is a different sort of course from previous math classes, so regular attendance is an important part of success in this course. An online version of the textbook can be found online, and instructions for accessing it will be provided. In the event that a student is absent, it is the student's responsibility to obtain any class notes and work that was missed, complete it, and turn it on time to receive credit for that assignment. Also, any make-up tests due to absences will need to be scheduled with the teacher and made up within the same allotted framework. Because all test dates are given in the unit layouts, students will be expected to take tests on the announced dates, **even if they are absent the class period immediately preceding the test.** Arrangements will need to be made to make up any tests or quizzes.

ASSIGNMENTS/TEST DATES:

Please check on Calendar and assignments on Schoology. <https://fortbendisd.schoology.com/>

MATERIALS/SUPPLIES NEEDED:

- ★ Pencils
- ★ Binder with dividers
- ★ Positive, hard-working attitude

Contacting Me:

If you have any problems or concerns that you would like to discuss, please contact me.

Email: william.corrington@fortbendisd.com (you can also access this through the school website)

Statistics class website: Go to Elkins HS's website <http://campuses.fortbendisd.com/campuses/ehs/>

Click on "Faculty", then "Teacher Websites", then the teacher's name.

Looking forward to a great year!

Mr. Corrington