

Statistics and Probability
Mr. Soares, Room 312

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Statistics and Probability. This is an upper end class in which students are to explore the mathematics behind statistics and probability. Mathematics is more than just counting numbers and manipulating them. Math could be considered a science of patterns. In Statistics there are many patterns.

A majority (85%) of the problems assigned on the homework and tests are word problems. This class requires students to read a problem, analyze it, and form some type of strategy to obtaining a solution.

The prerequisite for this class is to pass Math 3 with a C (70%) or better. In Math 3 you were introduced to a few of the topics regarding Statistics. This course is designed to expand the statistics taught in Math 3 and more.

Grading Evaluation:

60% Test
25% Homework
15% Quiz

Tests: Chapter test will be given only in class. Normally the test will take a full class period (approx. 2hrs). Every student in the classroom deserves ample time complete the exam, so I will only give out an exam on a block schedule date. If there is a situation in which the student cannot take the test, arrangements must be made prior to the actual test day. It is the responsibility of the student to communicate with the teacher any necessary arrangements for exams in Statistics. If a student misses an exam, he or she must make arrangements to take the missing exam. **That missing test must be made up before the next chapter test is taken or it will be an automatic zero for a grade.** This doesn't include emergency situations. All the tests combined will count for 60% of the semester final grade. **There is no retaking of any tests.** The Final could replace the lowest test previous to the final. If a chapter test is taught after the Final, then that chapter test is **NOT** replaceable by the Final. During the 2nd Semester a missing test must be made up promptly. **Once the Final Project has started, a missing exam cannot be replaced by the Final Project.** A test that has a score of zero or missing is not replaceable. Communication with me, the instructor, is essential when scheduling make-up exams.

Homework: I will be checking homework periodically and going over the problems. A majority of the tests are based off of problems similar to the homework. Homework is usually checked on "Quiz Day". There will be situations during the semester in which I will collect the

homework assignment on another date other than "Quiz Day". Homework turned in late will no longer be acceptable for full credit.

Quiz: Quizzes usually occur one day prior to the actual test date, however, this doesn't mean that I cannot give out any "pop-quizzes". All quizzes combined will be worth 15% of the semester grade.

Calculators: A scientific calculator is beneficial for this class. Any calculator that has the $\Sigma+$ symbol or a symbol similar to it will be useful. If you are considering purchasing a new calculator for this class or even college, the most useful calculator will be the **Texas Instrument 83 Plus or TI 84**. If the student is planning on taking **AP Statistics** the following year it is highly recommended that the student purchase a **TI 89**. These calculators are quite useful in the class and will help the students understand the contents taught in the course much better.

Spring Semester Project: Towards the end of the year the students will be asked to generate a statistical survey involving the high school or other various populations. The students will be involved with a group, no larger than three individuals. They will apply everything they have learned from chapter 1 to chapter 10 to this project. There will be more information given out at a later date. **Failure to complete the assignment (spring project) will result in 0% for that assignment.**

Grading Scale

Percentage Grade

89.5 and above	A
79.5 to 89.4	B
70 to 79.4	C
60 to 69.9	D
Below 60	F

This is your first assignment. Read this syllabus along with your parents or guardians and obtain their signature.

Students Name Printed _____

Students Signature _____

Parent/Guardian Signature _____