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:

35%   Test
35%   Homework
10%   Attendance
20%   Participation (Online)

Tests: Exams this year will be quite different than the past few years. Online Exams will be evolving as we go through the semester (year). If there is a situation in which the student cannot take the test, arrangements <u>must be made</u> 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. A student missing an exam 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 35% 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. 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 this year will consist of online forms, worksheets, even textbook. I grade homework on a 3 point scale.

0 = Failure to turn in (or plagiarism)
1 = Incomplete (vast majority of work is not done), or Late beyond the Unit

2 = Incomplete (some problems not attempted), or Late within the Unit
3 = Perfect

Quiz: Quizzes will be done in class and will be part of the Participation Category (20%).

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**. These are expensive calculators. There are apps on cell phones and even computers that could assist you, however, the apps may not be a complete representation of the actual calculator.

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