OHHS Mathematics Department
Course Syllabus

Teacher: Mr. Sommantico   jsommantico@ohsd.net

Course Name: AP Statistics
Course Code: MA052A

Course Description: The AP Statistics course is designed to provide students with a learning experience equivalent to that of an introductory college course in statistics. Statistics is typically required for majors in the fields of science, engineering, mathematics, social sciences, health sciences, and business, and should be taken in addition to AP Calculus. The purpose of this course is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. A TI 83, 83+, 84, 84+, or 89 graphing calculator is needed for this class. Students will have the opportunity to receive college credits by passing the Advanced Placement Exam given in May. There is a fee for this exam.

Prerequisites: Students who earned an A or B in Algebra 2 are encouraged to take this course.

Primary Textbook: Bock, Velleman, and DeVeaux. *Stats: Modeling the World (4th edition)*

Course Outline/Instructional Units: The following is a <u>tentative</u> outline of the course.

Unit	Topics
1	Displaying, describing, summarizing, and comparing data distributions

2	Exploring relationships between variables using Scatterplots and Linear Regression
3	Data Collection Methods: Understanding Randomness and Sample Surveys
4	Using Rules and Models to Calculate Probability
5	Exploring Sampling Distribution Models, and finding Confidence Intervals and testing Hypotheses about Proportions
6	Making Inferences about, and Comparing Means
	Review for AP Exam
	Bias Project

Technology: Students are encouraged to purchase a TI-84 calculator but they are not required to do so. A TI-84 calculator will be provided to those students who do not own one. (A TI-84 would be a beneficial calculator to have for future college-level courses.)

Extra Help: My after-school availability will be displayed weekly on the board. But, last minute cancellations/changes can occur.

Grading Scale: The grading scale reflects the rigor of an AP course and has been agreed upon by all OHHS AP teachers.

90-100	A
85-89.9	A-
83-84.9	B+
77-82.9	B
75-76.9	B-
73-74.9	C+
67-72.9	C

65-66.9	C-
55-64.9	D
54.9 and below	F

Weighted Categories: Grades will be based upon two categories: assignments and assessments.

Category	Percentage of Overall Grade
Assignments	20%
Assessments	80%

Assignments/Assessments: Graded assignments and upcoming assessment dates will be posted in Google Classroom. Each chapter will include a quiz, and each unit of study will include a unit exam.

Re-Do Policy: Students will be allowed to retake all assessments (with the exception of the Final Exam) provided all assignments are complete. Students will have the opportunity to retake each assessment once. Students may be assigned additional practice to be completed prior to any re-take. Retakes must be completed within two weeks of the original assessment being returned to the student.

NMSI Partnership: The National Math and Science Initiative has chosen OHHS to participate in the College Readiness Program. This program provides grant money and, along with additional financial support from OHPS, will be used to provide students extra support in preparation for the AP Exams. These student supports include: 1) No fees for any AP Exams; 2) Saturday Study Sessions; and 3) Financial incentives for earning a 3 or higher on the AP Exam.

The Saturday Study Sessions for AP Statisitcs are <<insert dates here>> You are strongly encouraged to attend these sessions. Please put the dates in your calendar now.

OHHS PLAGIARISM POLICY:
Any student, who knowingly turns in any work that has been done by someone other than himself or herself, and fraudulently represents it as his/her own, shall be considered to have cheated. Cheating also includes: aiding someone else in cheating, the use or preparation of written, pictorial, electronic or other materials not authorized by the

instructor during a test or assignment, the use of testing materials obtained previous to the test date, or plagiarism of any kind. Students found cheating will also be subject to an office referral, which could result in a suspension. As an effort based school, students who have plagiarized/cheated must still demonstrate their learning. Thus, students will be given the opportunity to complete the work. This will fall under the "Late Work Policy" of the teacher where total possible points may be reduced.