

2022 – 2023

(415) 731–7500 ext. 6705

Pay attention to your learning today. The grade will take care of itself.

Time: Periods 2, 3, & 5

Textbook: Readable Statistics; *Maychrowitz & Murphy*

Office Hours: 8 - 8:55 am and 3-4 pm by appointment.

Course Description: The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- (1) Exploring data: describing patterns and departures from patterns,
- (2) Sampling and Experimentation: planning and conducting a study,
- (3) Anticipating Patterns: exploring random phenomena using probability and simulation, and
- (4) Statistical Inference: estimating population parameters and testing hypotheses.

Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Course Preparation and Participation: Each member of this class is a professional student. As such, everyone is expected to be fully prepared for—and ready to participate in—class every day. Students are expected to bring all of the following materials to class each day:

- *iPad with stylus*
- *3-Ring Binder or notebook*
(if you prefer to handwrite notes)
- *Completed Homework*
- *Pencil*
- *Graphing Calculator*
- *Paper*
- *Highlighter*

Cell phones: Cell phones that are out in class will be confiscated for the duration of the school day. Chronic offenses on this policy will be referred to the Dean's Office.

iPad Usage: All iPad apps are to be charged before class, focused on class activities only, and cleared upon entering class. Students are to have their iPads flat on your desk when in use. Non-academic use of iPads is not allowed. On first offense, the iPad will be confiscated for the duration of the period. Repeated offenses on this policy will be referred to the Dean's Office.

Calculators: We will be using a TI-84 (or TI-83) calculator throughout the year and it is required to have one. You are required to bring your calculator to class every day.

Work Expectations: Students must be able to complete assignments on their own, and there will be times when the student is expected to read and understand material independently. While this class will have assigned homework, it will usually involve finishing assignments started in class. Written homework must show work and be legible. Online work includes assigned screencasts (10 minutes or less) followed by formative quizzes both from class and AP Classroom. Students will be given access to AP Classroom once the College Board makes it available.

Preparation: Students must be prepared for class. This means that all required materials are on hand, homework is thoroughly completed, and the student is prepared to present his or her work as well as ask thoughtful questions that demonstrate his or her understanding of the material.

Participation: Students are expected to participate in class in a positive manner on a daily basis by answering classmates' questions sensitively and constructively, by volunteering their own relevant questions, by skillfully presenting solutions to the class, and by using assignments to sharpen written presentation skills.

Cheating is a betrayal of the student-teacher relationship and will be dealt with harshly. While I expect and encourage you to collaborate (to collaborate is not to copy!) on problem sets, projects and investigations unless I tell you otherwise, ANY sharing of information either about or during quizzes or tests will not be tolerated. This includes but is not limited to using a graphing calculator to store inappropriate information or discussing the contents of a quiz with students in another class. Honor and integrity are expected. **This policy is still in place while we are in a virtual learning environment. See Page 12 of [Student Handbook](#): Academic Integrity and the Pursuit of Academic Excellence**

Student Absences: Students should be prepared to make up missed quizzes or tests on the day of return to school. Make-up exams are given at the teacher's convenience, normally during office hours or at a resource period. It is the student's responsibility to ensure that all make-up work is completed in a timely manner. The number of days allowed for make-up work will equal the number of days missed. Students must submit all missed work/tests due to being on retreat within one week of their return to class. If you know you are going to miss a class meeting (technical difficulties, retreat, athletic event, field trip, etc.), please make arrangements to take any quizzes or tests BEFORE you miss class.

Grading

<u>Category</u>	<u>Fall</u>	<u>Spring</u>
Classwork & Homework	15%	10%
Quizzes	30%	25%
Tests	40%	40%
Final Exam	15%	15%
AP Packets	0%	10%

93.5 – 100% A	72.5 – 76.4% C
89.5 – 93.4% A–	69.5 – 72.4% C–
86.5 – 89.4% B+	66.5 – 69.4% D+
82.5 – 86.4% B	62.5 – 66.4% D
79.5 – 82.4% B–	59.5 – 62.4% D–
76.5 – 79.4% C+	00.0 – 59% F

Semester Grade: The course grade will be determined by counting participation scores, quiz scores, test scores, and your final score, with the following weight factors. We will use the following grading scale:

Course Expectations and Policies

Students are expected to adhere to the Four P's in addition to the code of conduct outlined in the student handbook.

- **PROMPT:** Students should arrive to class on time and be seated and ready to begin when the meeting is scheduled to begin.
- **PREPARED:** Students should come to class prepared with all necessary materials each day.
- **POLITE:** I respect you. You respect me. We respect each other. Be your best self each day.
- **PRODUCTIVE:** We are here to learn! Ask questions. Participate. Take ownership of your learning.

In addition...

- Students must use appropriate vocabulary to communicate clearly with both peers and adults. Any emails sent to adults should be sent from the SI email account, and should be treated as formal communication. Occasionally, communication from teachers and classmates can be expected; therefore, students are expected to check their SI email accounts **daily**.
- Students must be able to complete assignments on their own, and there will be times when the student is expected to read and understand material independently.

How is this course is different than prior math courses?

- This course has a heavy focus on reading. Most problems are word problems.
- There is an even greater focus on explaining your reasoning. This includes computational reasoning and proof and written (verbal and often oral) explanation.
- Engaging in this course requires a commitment to learning—reading, writing, and analyzing
- While mathematics is involved, English, science, and social science (history, economics, politics, sociology) are significantly incorporated.
- Algebra and computation are minimized (although an understanding of linear equations and some knowledge of logarithms is expected). Thinking and analysis are maximized.
- This is a college course. It is rigorous and expectations are high.

