

Math 455 - AT Statistics 2023-2024

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Course Description: This Advanced Topics course in statistics introduces students to key concepts and tools for collecting, analyzing, and drawing conclusions from data. Students study mathematical principles and communicate their interpretation of data in writing. This course is equivalent to an introductory, one-semester, college-level statistics course.

Materials: 3-ring loose leaf binder or spiral notebook, folder, Pens/pencils, Calculator (TI-89 recommended)

Textbook: *Statistics: Modeling the World*, Bock, Velleman, DeVeaux

Google Classroom: We will use Google Classroom in this course for daily posted notes, homework assignments, and announcements.

Assistance: I am available for extra help (Room 399) during office hours which are posted on Google Classroom. These times are also posted on my teacher page on our school website. If you would like to see me for extra help, please email me to set up a meeting. Also, you may see Ms. Landau in the Math Center (Room 217) who can provide coursework assistance. Her schedule will be made available to you.

Homework Assignments: Homework will be assigned every class and generally due the following day. You will receive a grade for each homework based on completeness and effort. Occasionally, homeworks may be collected. Understanding and completing **all** of the assigned homework problems is crucial to your success in this course.

Exams: Tests and quizzes will be administered regularly throughout the quarter. We will usually have 3 full period tests per quarter announced about a week in advance. Quizzes are shorter in length and will also be announced in advance. A final exam will be administered at the conclusion of the course. All students have the option of taking the AP Statistics exam in May. Please refer to any correspondence from the deans' office regarding important dates.

Absences: Attendance is vital for success. If you are absent from class, you should consult our Google Classroom to find posted notes for that day's lesson and homework. If absent the day of a test or quiz, you will be required to make it up the day you return unless other arrangements have been made.

Academic Integrity: For this class, you are expected to present your own honest work on all exams, quizzes, and homeworks. Please review your student handbook for important information regarding the grading system and academic integrity.

Grading: Your quarter grade will be determined *approximately* as follows:

Tests – 200-300 points

Quizzes – 50-75 points

Homework – 25 points

Other Expectations:

Students are expected to adhere to the additional policies listed below.

- Please be on time to every class.
- Please follow all instructions and school protocols while in the classroom. Your cell phone must be put away in your assigned phone holder.
- Be respectful with your classmates.
- Come to class prepared and with an eagerness to learn.
- Assessment Rescheduling Policy: If you have 3 or more tests scheduled for the same day, you may ask the teacher of the last assessment announced to reschedule that assessment. If this is the case, please speak with me in advance so arrangements can be made.
- Try your best and have fun, as statistics can be a very rewarding subject.