Statistics – Period 1

M655 - 1 credit - Rank Weight 1.10   Marist Math 130- 3 credits

Prerequisite: Successful completion of Algebra II

Class and Contact Information	
👤 **Ms. Jennifer Coltellino Huppert**	@ jennifer.huppert@wcsdny.org
📍 Room M1	📞 845-897-6700 ext. 30074
ℹ️ Extra help available by **appointment**- *just ask & we will meet!*	💻 Google Classroom Code: **ip5aukr** or click here.
	💻 AP Classroom Code: **N46A29** or click here.

Course Overview:

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students use a TI-83/84 graphing calculator and online applets to investigate statistical concepts.

Textbook: *The Practice of Statistics*, 6th edition, updated, BFW, 2020 by Starnes and Tabor
Other resources will be available and used in class.

The **Course Catalog Outline** can be found here.

Statistics Course Topics	
● Exploring One-Variable Data	● Exploring Two-Variable Data
● Collecting Data	● Probability, Random Variables, & Probability Distributions
● Sampling Distributions	● Inference for Categorical Data: Proportions
● Inference for Quantitative Data: Means	● Inference for Categorical Data: Chi-Square
● Inference for Quantitative Data: Slopes	

Note: Some lessons explore civic topics using statistics and mathematics. Naturally, this may raise some concern as to bias within the materials. Although the lessons sometimes cover civic topics, lessons are purposefully nonpartisan. Their stated goal is to represent multiple perspectives (in the discussion notes, handout keys, etc.) that are consistent with the data analyzed. My personal goal is to lead class discussions with fairness and balance. My goal for students is for them to learn the difference between correlation and causation, between biased and unbiased samples, and between fair or misleading mathematical models. In other words, my hope is to equip students with tools for critically analyzing their world.

Grading:

Students will be evaluated using a **variety of assessment techniques**, including tests, projects, and various assignments. The evaluation criteria are as follows:

Criteria		Description
Tests	**60%**	Tests are given at the end of each unit. They are modeled on the AP Exam, so half of the tests are multiple choice and half are free response. Tests are graded like an AP Exam.
Projects	**30%**	Students are assigned Feats of Strength 4 – 8 times a year. These special projects should be well-thought out, well-carried out, typed, and include graphical displays. Some feats may be done in pairs.
Other Assignments	**10%**	Assignments include any activity that is graded, either in detail or for completeness. I believe in informal, low-stake, formative assessments.

All quarters are weighted equally.

Final Exam:

All students are expected to take the AP Statistics Examination **May 8th, at 8am,** and pay the examination fee. If a student does not take the AP Exam, they will have to sit for a final exam, which is worth 2 test grades in the final quarter.

Marist students will take an in-class final.

Grading Scale _for Marist Students_:

A = (95, 100)	B = (84, 86)	C = (74, 76)	D = (60, 66)
A- = (90, 94)	B- = (80, 83)	C- = (70, 73)	F = (0, 60)
B+ = (87, 89)	C+ = (77, 79)	D+ = (67, 69)	
Withdrawal Without Approval Results in an F			

TECHNOLOGY:

I use technology in a variety of ways in this course. The resources most commonly used are discussed below:

Graphing Calculator	AP Classroom
- Each student should have his/her own, as recommended by College Board. - Must be used on AP Exam. - If a student doesn't purchase one, I will be showing various other ways to analyze data with technology, but these are not acceptable for the AP Exam.	- AP Classroom - Used for daily topic questions and unit review (progress checks). - Also has AP Daily Videos.
Google Classroom	**Sapling**
- Where I post assignments, make announcements, share resources. - Check daily.	- Online resource attached to textbook. - Provides homework with feedback. - Provides videos for examples and exercises from the textbook.

Cellphones: Students are prohibited from possessing smart devices on their person. Smart devices must be stored in a school bag or hanging pockets in the classroom.

Academic Honesty

It is expected that all the materials submitted for this course are the actual work of the individual whose name appears on the materials. Violations of academic honesty include, but are not limited to, cheating, plagiarism, using AI to generate responses, copying answers and passing it on as your own, storing notes on a calculator, and receiving or giving help on a test or quiz. A student found guilty of academic dishonesty is subject to failure (zero) for that activity or failure for the course and a referral to the principal of student services. If you work in a group on homework, please indicate with whom you worked.

The guidelines presented here are subject to change. If this occurs, students will be notified immediately.