



Statistical Reasoning Syllabus

2020-2021

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Course Description

This is the fourth course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. Students will formulate statistical questions to be answered using data, will design and implement a plan to collect the data, will select appropriate graphical and numerical methods to analyze the data, and will interpret their results to answer the initial question.

Topics

- Types of Sampling and Research Design
- Quantitative and Categorical Data
- Normal Distribution
- Least Squares Regression Line
- Binomial Distribution
- Chi Square Tests
- Financial Preparedness

Notebook and supplies

- 3 Ring Binder with 7 dividers
- Loose leaf paper
- Pencils and erasers
- Ruler
- Colored pencils, pens, or markers
- Highlighters
- Flash-drive/Thumb drive to save work (optional)
- **Calculator:** TI-84 Graphing (needed for Stat Reasoning) or TI-36 Pro

The TI-36 can be purchase for \$20 using the QR code below. Select math to purchase a calculator.



Or visit the website at <https://paulding.revtrak.net>

Grading Policy:

Grades will be based on the following:	Grade scale:
Summative60%	A = 90 – 100%
Formative.....20%	B = 80 – 89%
Informal.....0%	C = 70 – 79%
	F = 0 – 69%

Tutoring:

By appointment

Mastery Plan:

Students may elect to improve grades on summative assessments. Recovery opportunities will be limited to the following:

- 11th and 12th grade students will be allowed to recover a maximum of **2** summative assessments
- Any student electing to recover a summative assessment must make the teacher aware of his/her intention and must meet prescribed deadlines.
- The student must satisfactorily complete all remedial work and is strongly urged to attend tutoring (at least one session, but more if necessary).

Attendance, Tardy, and Make-up Policy:

Attendance is an extremely important part of this class. Your success depends on your being in class every day. If you are absent it is your responsibility to get the notes and assignments that are missed. If you are absent, you will follow the Paulding County School District policy regarding makeup assignments.

Reminder: If you are absent on a test day, you will make-up the test BEFORE school.

Class Expectations:

- **Be prepared.** You will bring your materials to class everyday (paper, pencil, notebook, textbook, calculator, etc.) and that you will do your homework and study for quizzes and tests.
- **Be involved.** You will participate in class, attempt to do the class work, ask questions when confused, and try to help your classmates understand the material when appropriate.
- **Be courteous.** You will treat your instructors and classmates like you want them to treat you. Don't talk when it is not appropriate. Don't sleep. Don't get out of your desk when it is not appropriate. Don't work on other class work. Don't access your cell phone. Don't play games on your calculator. Don't use power outlets.
- **Consequences** for failing to follow class rules will result in a phone call to your parents, possible detention, and/or a referral to the appropriate grade level administrator.

Academic Honesty:

Cheating will NOT be tolerated. Cheating includes but is not limited to: copying or sharing homework, talking during a test or quiz – for any reason, looking on someone else's paper or allowing them to look on yours, taking out a cellphone during a test or quiz – for any reason, and sharing a calculator during a test or quiz. You will receive a zero on the assignment, parent phone call, and administrative referral. You cannot take mastery on these assignments.

Online Grades:

Student grades and attendance can be accessed through the Paulding School System website at www.paulding.k12.ga.us. Complete directions for the use of Infinite Campus on the site. Attendance is up to date and may be viewed at any time.

Assignments and PowerPoints can be found on Canvas.

Disclaimer:

The instructor reserves the right to make any changes to the syllabus, if necessary. In such events, students will be notified as early as possible.

Acknowledgement of receipt:

By signing below, you acknowledge that you are familiar and understand the policies and expectations of this class.

Print Name

Student Signature

Date