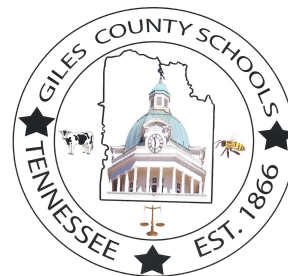


Statistics

Syllabus 2026-2027



Teacher Name: Chris Phelps

Email address: cphelps@gcboe.us

Teacher Schedule:

1st Block	Algebra II Honors
2nd Block	ACT Preparation
3rd Block	Statistics
4th Block	Pre-Calculus Honors
5th Block	Planning

Course Description

Elementary Statistics is an introduction to data analysis course that makes use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, the sciences, and other related fields. The use of technology (computers or graphing calculators) will be required in certain applications.

Classroom Rules and Expectations:

1. Be Safe
2. Be Prepared
3. Be Respectful
4. Be Responsible
5. Be The Best You Can Be!

Discipline:

1. Warning
2. Student-Teacher Conference
3. Parent Contact
4. Referral to Administration

Students are expected to follow all rules listed in the Giles County Student Handbook

Grading Policy:

- Labwork/Classwork/Participation: 40%
- Quizzes, Tests & Projects: 60%

Make-up Work Policy:

- If you are absent, you must complete missed assignments.
- You may get missed assignments from Google Classroom.
- Students are responsible to complete missing assignments within the parameters of the school's policy.

Instructional Materials:

Textbook: Introductory Statistics, OpenStax, Creative Commons Attribution 4.0 International (CC BY) license, 2018. Free PDF download at www.openstax.org/details/introductory-statistics

MyOpenmath-An online platform for lessons, homework practice, quizzes, and tests
<https://www.myopenmath.com/index.php>.

Google Classroom-Online platform for announcements, assignments, due dates, etc.
<https://classroom.google.com>.

Classroom Supply List:

- 2 pocket folders with prongs (homework, handouts, etc.).
- Graphing Calculator (TI-84) (will have access in class; purchase only if financially feasible for use at home)
- Pencils
- Loose-Leaf Paper (college ruled)
- Graph Paper

Major Assignments and Field Trips (if applicable): N/A

Standards/Topics Covered & Course Calendar:

Topic 1: Sampling and Data, Topic 2: Descriptive Statistics, Topic 3: Probability, Topic 4: Discrete Random Variables, Topic 5: Continuous Random Variables and the Normal Distribution, Topic 6: Central Limit Theorem, Topic 7: Confidence Intervals, Topic 8: Hypothesis Testing.