



Fairfield Ludlowe High School - Fairfield Warde High School

PROBABILITY & STATISTICS

Insert Teacher Name

Insert Room Number

Full Year

Insert Period

Insert Email Address

COURSE DESCRIPTION

Probability and statistics is recommended for those who want an elective that will be beneficial to many academic, medical, social science, and business careers. Statistics topics studied include: describing data with graphs, distributions, histograms and other graphical techniques, and measures of center and spread. Probability topics include: probability rules, probability distributions – discrete and normal. Additional topics include: sampling design, experimental design, sampling distributions, linear regression, and an introduction to inference testing and confidence intervals. Probability & Statistics is an excellent option for students anticipating statistics requirements in college. **The Elective GPA weighting scale applies.**

COURSE OBJECTIVES

Students should:

- Observe and describe patterns and departures from patterns.
- Plan and conduct a study using samples, experiments, and simulations.
- Explore random phenomena using the normal distribution, probability, and simulation.
- Use statistical inference to make conclusions with confidence.
- Estimate population parameters and test hypotheses.

UNITS OF STUDY

- Producing Data
- Organizing Data
- Probability and Simulation
- Inference

COURSE POLICIES AND REQUIREMENTS

GRADING (see FPS BOE [Policy 6146.1AR](#))

Cumulative/In-Progress Grade:

- 10% of the grade will be based on formative assessments, homework completion, and behavior.
- 90% will be based on summative assessments, of which there will be a minimum of eight, with no fewer than 2 per quarter, for this full-year course; these may include Unit Tests, Mid-Unit Tests, Projects, Performance tasks, Summative Quizzes, etc.

End-of-the-Year Grade:

- 80% of the overall course grade will reflect the student's mastery of course content and skills during the school year through the Cumulative/In-Progress Grade.
- 10% of the End-of-the-Year course grade will be based on the Mid-Year Assessment.
- 10% of the End-of-the-Year course grade will be based on the Final Assessment.

Grade Reporting

- All grades will be communicated through Infinite Campus.
- Summative assessment results will be reported back to the student within ten school days from the date of submission or the due date, whichever is later.
- Formative assessment results will be reported back to the student within five school days from the date of submission or the due date, whichever is later and prior to any subsequent assessment..

Guidelines for Late Work:

- Late work will be accepted for both summative and formative tasks within a defined timeline agreed upon between the student and the teacher for excused absences.
- The total points may be reduced as a penalty for late work for unexcused absences. Students will earn a zero (0) if the assignment is not submitted or is submitted after the deadline for late work.

Reassessments:

- Any extenuating circumstances may be discussed with administration to allow alternative reassessment opportunities with administrative approval.
- Reassessment opportunities are defined as twice per year (with a maximum of one per quarter) for assignments that students met the original required deadlines and do not violate the academic integrity policy. Reassessment does not apply to midyear assessments or final assessments.
- Gradebook impact of Reassessment: original and reassessment scores will be averaged in the gradebook.

MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here