

Naperville North High School

AP Statistics (2022-2023)



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Mission

To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors

Course Description

This course is designed for students who wish to study a non-calculus-based college course in statistics. The syllabus for the course is taken from the outline provided by the Advanced Placement Board. The material in this course includes graphical analysis of data, experimental design, fundamental rules of probability, and statistical inference. Students desiring one semester of college placement/credit will be encouraged to take the Advanced Placement Exam. A graphing calculator is required.

Course Standards

- Exploring One-Variable Data
- Exploring Two-Variable Data
- Collecting Data
- Probability, Random Variables, and 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

Grading Calculation Definitions

At Naperville North we define formative and summative work as follows:

- Formative work is used to monitor student's learning to provide ongoing feedback that can be used by students to improve their learning. Examples may include: practice activities, homework, quizzes, etc.
- Summative work is used to evaluate student learning at the end of an instructional unit or segment of learning by comparing it against a standard or benchmark.

Grading Practices

Grades communicate each student's progress toward mastery of goals/standards for the course.

- No extra credit will be issued.
- Violations of the academic integrity policy will be consequence by administration in collaboration with the DC/teacher.
- Any percentage lower than 50% will be put into the grade book as a 50%, the lowest possible grade on completed work (incomplete or work not turned in will be entered as a grade of 0 in the grade book).
- **Formative work:**
 - Accepted up to the end of each unit.
- **Summative work:**
 - A zero on a summative assessment will only indicate that no attempt was made by the student
 - Summative work submitted after the due date cannot be penalized more than a total of 10% and must be submitted prior to the end of the next unit.

Grading Disbursement

A= 100-90%

B= 89-80%

C= 79-70%

D= 69-60%

F= 59-0%

Semester Grade:

- Coursework = 85% (Summatives: Tests 90%, Formatives= Practice/Homework/Quizzes 10%)
- Final Exam =15%

Academic Integrity Code Statement

District 203 students are challenged to address the academic process enthusiastically, diligently, and most importantly, honestly. It is the responsibility of our students, teachers, and administration to uphold the fundamental academic values of honesty, responsibility, fairness, respect and trust. The integrity of our district's academic programs is built upon these principles.

Academic integrity violations include, but not limited to, cheating; plagiarism, self-plagiarism or copy infringement; obtaining or providing an unfair advantage; falsification of documents; unauthorized access to records; and inappropriate collaboration, whether intentional or unintentional. The classroom teacher and administration will collaborate and exercise professional judgment in determining academic integrity violations.

The use of translating devices and/or direct translation from a native speaker or tutor is strictly forbidden. You must do your own work. Remember: There is a significant difference between getting help and having something or someone else do your work for you. There are consequences both academic and non-academic for students who do not adhere to this policy. Violations will be tracked and added during your time at NNHS.

Reassessment Policy

Students will be provided multiple and varied opportunities to demonstrate mastery of learning standards. The purpose of reassessment is to allow students to demonstrate mastery of course standards in which they remain deficient.

- Students that score higher on their test than their quizzes, will have their quiz score replaced with the test score.
- A cumulative test will be given at the end of the first and third quarter. This test will only replace the lowest test score, and will not be individually entered into the grade book.

Additional Resources for Support

- Make an appointment with your teacher: before school, after school, or during the school day
- Drop in for Peer Tutor/Math Help before school or during lunch periods through the Literacy Center.
- After-School Tutoring in Learning Commons (check with Student Services for schedule.)
- Online Resources:
 - AP Central Classroom <https://apclassroom.collegeboard.org/>
 - Digibook Algebra 2: <https://naperville203algebra2.weebly.com/>
 - Canvas (notes, practice): <https://naperville.instructure.com>
 - Khan Academy AP Statistics: <https://www.khanacademy.org/math/ap-statistics>

Parents & Guardians/Communication

Naperville North believes in a collective partnership with parents/guardians which provides students the best opportunities for success.

Some ways parents/guardians can support their student's learning are:

- Encourage your student to speak directly with their teacher about questions or concerns.
- Actively check Infinite Campus for their student's grade.
 - Infinite Campus is a tool to monitor student progress until final course grade is posted.
 - Monthly progress grades are posted and represent the current grade of a student in the course at that moment in time.

- Discuss missing assignments, reiterate due dates, help organize folders, materials, assignment notebooks and review upcoming projects and assessments.
- Teachers make every effort to respond to parent emails and phone calls within 24 hours during the work week.
- The best way to communicate with teachers is through email; however, if you haven't received a response within 48 hours, please resend the email or call their voicemail. Your email may have been filtered.