

Naperville North High School

AP Statistics



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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 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.
- Practice work is a fundamental part of the learning and preparation process and will not be accepted after the due date unless specifically requested by the 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).
- A zero will only indicate that no attempt was made by the student.

Grading Disbursement

A= 100-90%

B= 89-80%

C= 79-70%

D= 69-60%

F= 59-0%

Semester Grade:

- Coursework = 85%
 - Evidence 90%
 - Problem of the chapter
 - Section quizzes
 - Unit tests
 - Practice 10%
 - Check your understanding questions
 - Other practice problems
- Final Exam =15%

Reassessments:

The purpose of reassessment is to allow students to demonstrate mastery of course standards in which they remain deficient. Higher reassessment grades will replace the original assessment score, but will not exceed 85%.

- Practice work is not eligible for reassessment.
- Evidence of Learning work may be eligible for reassessment. Refer to the chart below for eligibility:

<input type="checkbox"/> The assessment included multiple opportunities for feedback and improvement in the process for the final product OR formative assessments are aligned to standards, allow students to practice in the same assessment format, and gain feedback for improvement before the summative assessment.	<input type="checkbox"/> There was timely and consistent completion of practice work and formative assessments. <input type="checkbox"/> A one-time performance on an assessment does not reflect the student's level of proficiency leading up to the assessment. <input type="checkbox"/> Summative assessment score is below 85%.
Not eligible for reassessment	Eligible for reassessment if all three statements above are true.

Reassessment Parameters:

- The reassessment opportunity will require designated learning experiences that demonstrate readiness as assigned by the teacher.
- Reassessments MUST be completed within 5 school days of the student receiving feedback unless otherwise determined by the instructor. The reassessment deadline should be communicated in an IC comment.
- The final reassessment score will be capped at 85%

Academic Integrity Code:

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 cheating, plagiarism, self-plagiarism or copy infringement, obtaining or providing an unfair advantage, using a writing service and/or AI in place of original work unless specifically authorized by staff, 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.

D203 AI Belief Statement:

At Naperville North High School, we strive to build a learner's mindset in all students, developing qualities such as adaptability, communication, critical thinking, and global citizenship. Generative Artificial Intelligence (AI), offers new opportunities to engage with important technology relevant to the future that also raises significant educational considerations. AI tools provide unique ways to engage students in the learning process, hence we encourage our staff to guide students in using AI responsibly. Teachers have the authority to establish guidelines for AI use in their classrooms, setting clear expectations for how AI can be used on learning tasks. Concurrently, we recognize that reliance on AI risks replacing genuine student engagement and original thought, undermining the

attributes we aim to cultivate. Striking a balance between leveraging AI tools effectively and maintaining educational standards is crucial to the learning experience of each student.

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 during lunch periods through the Literacy Center.
- After-School Tutoring (check with Student Services for schedule and locations.)
- 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.