

# Naperville North High School

## Pre-Calculus



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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 planning to study college level calculus. A heavy emphasis is placed on the analysis of functions (application and theory). The topics are listed below. ***A graphing calculator is recommended.***

### Course Learning Topics

- Functions and their Graphs
- Linear and Quadratic Functions
- Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions
- Analytic Trigonometry
- Applications of Trigonometric Functions
- Polar Functions
- Matrices
- Conic Sections (if time allows)

### Grading Practices

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

- No extra credit will be issued.
- In Infinite Campus, a score of "Missing" (M) will indicate an assessment has not been turned in and the comments section will include a specific date by which students can still submit. After that date, a zero (0) will be recorded.
- Grade book categories will include Practice and Assessments/Evidence
  - Practice work includes homework or classwork - it must be submitted on the original due date and WILL NOT be accepted for credit after the due date
  - Assessments/Evidence includes tests and quizzes - if a legitimate attempt is made on an assessment, a score of 50% will be the lowest possible grade.
- Violations of the academic integrity policy will be consequence by the administration in collaboration with the department chair/teacher.

### Grading Disbursement

A= 100-90%      B= 89-80%      C= 79-70%      D= 69-60%      F= 59-0%

Semester Grade:

- Coursework = 85% (Assessments/Evidence = 90%, Practice = 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 are 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 will be eligible to reassess a **Test** if:
  - Student scored below 80% on the original test
  - Students demonstrate engagement in class which is evidenced by having completed at least 80% of homework assignments by the due date.
- Reassessments **MUST** be completed within 5 days of the class receiving feedback unless otherwise determined by the instructor. Deadline will be communicated in an Infinite Campus comment.
- Higher reassessment grades will replace the original assessment score (but will not exceed 80%).

## Additional Resources for Support

- Make an appointment with your teacher
- Drop in for Peer Tutor math help during lunch periods through the Literacy Center.
- After-School Tutoring (check with Student Services for schedule and location)
- Online Resources:
  - Digibook Algebra 2: <https://naperville203algebra2.weebly.com/>
  - Digibook Geometry: <https://naperville203geometry.weebly.com/>
  - Digibook Algebra 1: <https://naperville203algebra1.weebly.com/>
  - Canvas (notes, practice): <https://naperville.instructure.com>
  - Khan Academy, Precalculus: <https://www.khanacademy.org/math/prec calculus>

## 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 48 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.