

AP Calculus AB Syllabus

Mrs. Curfew

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According to the course descriptions on North Pointe Prep's website: Statistics and Probability focuses on interpreting categorical and quantitative data; making inferences and justifying conclusions; conditional probability and the rules of probability; and using probability to make decisions.

From the College Board website: "AP Calculus AB focus on students' understanding of calculus concepts and provide experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions.

The courses feature a multirepresentational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results."

Materials Needed Daily:

- 1) 3 ring binder with at least 2 dividers for lessons and assignments
- 2) Pencils, pens, and/or highlighters
- 3) Graphing Calculator (TI-83 plus and TI-84 preferred)
 - You may NOT use your phone as your calculator in class!
 - Some graphing calculators will be available to use during class time only on a first come first served basis.
- 4) Loose leaf paper
- 5) A free reading book of your choice

Classroom Rules:

- 1) Be on time.
This means in your seat by the end of the last bell and taking out required materials.
- 2) Respect yourself and others.
Be paying attention to the information being presented in a way that is not distracting to other with listening ears, quiet mouths, and note taking hands. Of course, if you have a question or are confused, please raise your hand so I can clarify. Be quiet during quizzes and tests so others can clearly think. Be helpful, kind, and courteous to one another.
- 3) Be prepared.
- 4) Do your best work.
Math is challenging! You are not going to get 100% all of the time. What I expect is for you to put forth your best effort – take notes, use your resources to try to solve the problem, and ask for help when you need it! Mistakes will happen, but use these experiences to learn.
- 5) Maintain an environment for learning.
Be considerate of those trying to learn around you. Electronic devices must be silenced/off and in your bag. Food and drinks cannot be shared but may be consumed during class as long as you are careful to not spill/make a mess and clean up after yourself.
- 6) Keep a positive attitude
Just keep swimming....
- 7) Take responsibility.
- 8) Dress appropriately.

Headphones/earbuds/airpods cannot be worn or used in the classroom.

9) Use your time wisely.

We have so much to do and such little time together. If you use your time wisely, you can still get help before you are on your own.

Disciplinary Consequences: Disciplinary consequences for major infractions will follow “Student Conduct Code” in current NP Student Handbook.

Classroom Procedures:

- 1) Be in the classroom in your seat by the end of the final bell. Make sure you have the materials you need for class. Take out previous day’s homework (if applicable). Do the posted bellwork. Make sure phones/electronics/headphones are away and turned to silent/off.
- 2) The previous day’s assignment will be checked. The new lesson will be introduced.
- 3) The remainder of the period will be used to work on the new assignment. If you finish the assignment (and have no missing assignments), you may put away your AP materials and take out your free reading book and read until the bell rings – or – work on assignments for another class. You should remain in your assigned seat until the bell rings – no lining up at the door.
- 4) Quiz/test days will be announced. Review for the test will at least be given during the class period the day before the test (possibly sooner). No talking during the test.

Google Classroom: Copies of the notes, worksheets, and other extra resources will now be available to you in Google Classroom. You will be invited to join the class.

Assignments: Assignments are usually given every day Monday – Thursday except for test days. Assignments are due at the beginning of the next class period unless otherwise announced. To be considered complete, you must have completed every question with all work shown. Answers only are not acceptable at this level. Assignments not completed are considered incomplete but may be turned in for reduced credit.

*****Assignments are checked each day.** Incomplete assignments will result in reduced credit. Assignments checked in class while you were out due to an excused absence may be turned in upon returning to class for full credit.***

Tests/Quizzes: Tests and quizzes will be announced prior to test day. If missed, tests and quizzes must be made up within 2 school days of when you return (exams not made up will result in a 0). Work must also be shown on all exams in order to receive full credit.

Test/Quiz Corrections: After tests/quizzes have been graded you will have the opportunity to do corrections to the problems you missed to earn 1/2 of your points back. In order to earn these points, you must correctly answer the questions as well as explain either the error you made or how to correctly do the problem.

Incomplete/Make-up Work/Absent Assignments: Students are responsible for completing missing assignments:

- 1) Assignments missing due to absences/incomplete assignments may still be turned in for credit. Assignments missing due to absences will be accepted for full credit within 2 days of missing class. Incomplete assignments will be reduced credit.
- 2) Missed tests/quizzes must be made up within 2 school days.

Finals: You will be taking a comprehensive final at the end of the 1st and 2nd semester.

Semester Grades: Your grade for the semester will be calculated as a combination of your 1st (45%) and 2nd (45%) quarter grades and the final test grade (10%).

Grading Scale:

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

NC: Below 60%

***Once enrolled, North Pointe does not accept course credit from other high schools or online institutions to currently enrolled students. ***

Seniors Awards Night and Graduation Participation Requirements: Seniors who are not passing classes necessary for graduation by the end of the first school day in May will not participate in North Pointe's Senior Awards Night and Graduation, even if they are passing the classes on the last day of school.

Tutoring: Tutoring will be available as scheduled with instructor. Math tutoring is on Tuesdays and Thursdays from 2:35-3:30 pm. Tutoring is HIGHLY ENCOURAGED for students with a D/F grade.

Plagiarism: It is expected that all work in this class will be your own. Copying another person's work in any form (regardless of whether it is from their paper, snapchat, photo, text, website, etc.) is considered cheating. Any assignment, quiz, or test that has been copied will result in a 0 for both you and whoever you are copying from.