

College Calculus

Course Description & Procedures

Welcome to College Calculus. You are beginning what is likely to be a challenging, but hopefully, rewarding year. One major change you will find with this course: it will not be taught like a typical high school college prep math class. I hope you will enjoy this perspective, but more importantly, I hope you will use this change to develop into a mature college bound student.

Mr. Naylor

Thoughts for Success

- ✓ Take full *ownership* of your attitude and ultimately of your learning.

Attitude – come expecting and wanting to learn

Your Learning – there will be times when extra effort and extra time are required to master a concept; a student who takes ownership will do what it takes to gain understanding

- ✓ Develop *daily* study habits; don't cram everything into one night.
- ✓ Always strive for a *thorough completion* of all assignments.
- ✓ *Read ahead* in the textbook.
- ✓ Prepare for exams by *fixing chapter mistakes* and redoing important problems.
- ✓ Look for the *BIG picture* when solving a problem. How does this problem connect to yesterday and how will it help us tomorrow?
- ✓✓ **Be fully committed to learning and understanding this calculus material.**
A half-hearted commitment may not only prove frustrating but wasteful.

Strive for
growth
instead of
looking for
excuses.

School Policy Reminders

◆ Do NOT Text & Math

◆ Adherence to the Senior High Dress Code

Textbook

Calculus, Second Edition; Finney, Demana, Waits, Kennedy

→ In contrast to many other high school math courses and textbooks, our book is highly effective and a necessary tool for student success. Nearly all problems, assignments and various class notes will come from the text, with minimal worksheet supplements.

Calculators



A graphing calculator will be necessary in order to be successful in this course. Some problems will be solved entirely with a graphing utility and many problems, in some fashion, will reference a graph. You must see Mr. Naylor if you are unable to secure a calculator. (A school calculator could be issued for the entire year with the appropriate signed contract.)

Assessments & Grading

Similar to College, the BIG THREE will make up your grade: Tests – Quizzes - Assignments

- **Specifics:**
- ✓ Tests – 1 to 2 per unit; worth 50 – 75 points
 - ✓ Quizzes – Open notes; given same day that book assignment is due; 10 – 15 points
 - ✓ Assignments – 3 to 7 per unit; primary method of learning; 15 – 30 points

↖ more information given on back

College Calculus Assignments

Due to the nature of Calculus, and its related topics, normal college prep study skills, (specifically homework strategies,) will not prove adequate for success in this course. Instead, we will adopt a more college based “assignment” strategy. At the beginning of each chapter, Mr. Naylor will hand out an assignment schedule that outlines each section of the current chapter. Each required textbook problem will be listed along with possible hints and thoughts for certain problems. It will be very important for you to pace according to classroom lecture and develop a strategy of “**continual progress**” to complete the assignment by each due date. **You will find that class lectures may not look exactly like all upcoming assignment problems, but the necessary concepts will always be taught. It will then be your responsibility to connect all relevant knowledge in order to complete each problem.** Classroom time will be given for daily student questions, but do not wait until the last minute to seek guidance. After being collected, random problems will be graded then handed back for future test preparation.

→ **Assignment Specs:** ✓ All textbook directions must be fully followed for each problem, including any verifying, graphing and/or explaining, where applicable.



✓ 3 to 7 assignments per unit covering 1 to 2 sections of material

✓ 5 to 15 random problems graded per assignment

✓ **Grading:** Each randomly chosen problem can receive the following...

2 points – completely attempted and all work shown and correct answer

1 point – completely attempted and all work shown but incorrect answer

0 points – partially attempted or minimal work shown with or without the correct answer.

→ **Visual Appeal:** Each assignment must be neatly completed and organized. A dedicated assignment notebook is recommended. Use paperclips, tabs, etc so Mr. Naylor can easily locate the current assignment. Remember, Mr. Naylor likes to be happy while grading your assignment.



Late Assignment Pardon

Mr. Naylor will allow each student to submit two assignments one day late this year and receive no penalty. But “mind,” you are still responsible for knowledge of the material for the quiz.



→ **Evernote and Voice Memos:** Approximately 2 or 3 times per unit, students will be required to submit a voice memo note via the Evernote App/Website. Detailed instructions for creating and sharing your Calculus Evernote Notebook can be found on Mr. Naylor’s Website.

Absenteeism and Make Up Work

In the event that you are absent, it is **your responsibility** to obtain all missed assignments. Daily class activities can be found on the appropriate class calendar and you can assume we are proceeding along with the current chapter’s assignment schedule.

☞ If you are absent on the day of a test or quiz, it must be made up within two days for every day of your absence (school policy.) It is the student’s responsibility to schedule a time for the make-up work.

☞ **Important:** If you are absent on the day that an **assignment is due**, you can do one of two things:

1. Send the completed assignment into school with a friend. (this would be college procedure)
2. Be ready to turn in the complete assignment to Mr. Naylor the day you return.

☞ The following policy will be in affect concerning late assignments/tests: 1 day late: 33% deducted 2 days late: 66% deducted

A Word on Integrity... Your decisions and actions this year and the next few years to come will shape many facets of your adult life. Completing your own work and **not copying** from friends or the Solution Manual will not only produce higher levels of learning but it is the **RIGHT THING TO DO!** You have to choose to be honest and responsible for who you are, today and in your future. Working together on assignments is acceptable, but copying is not and will result in a zero for the assignment and unsatisfactory test scores.

There are two things Mr. Naylor despises and a third that he hates:

1. Deception
2. Dishonesty
3. Copying

Mr. Naylor’s Web Place

→ Class Calendars with assignment downloads

→ “*Problem of the Month*” (extra credit)

→ Evernote set up instructions

→ Remind101 sign up instructions