



FREEDOMPROJECT
ACADEMY

Course Syllabus

Calculus I

Course Description:

Calculus concepts in the first half of the textbook will be introduced by using prior knowledge of algebra, trigonometry, and analytical geometry concepts and using it to apply to and learn new concepts including derivatives, integrals, the graphing calculator, and applications to STEM fields. Each lesson builds on past concepts learned so it is very important that each concept is mastered. Math, even calculus, is not something you are good at or not good at. It is something you learn or don't learn. You can master anything if you will stay organized and manage your time to engage in learning, practice new concepts, learn from mistakes and how to avoid them, and ask questions.

Major Topics of Study:

Calculus I

Text/Required Materials:

Saxon Calculus Text Homeschool

Ruler

Graphing paper/quad ruled notebook

TI-83 or TI-84 graphing calculator

Grading:

Calculus students generally maintain at least a B- or above and such mastery is necessary for future math courses. Your math skills and knowledge coming in should be such that you will have success in this course.

Homework - 45%

Tests - 35%

Semester & Final Exam - 15%

Participation - 5%

The FPE grading scale is:

| | | | |
|-----------|----------|----------|----------|
| 97-100 A+ | 87-89 B+ | 77-79 C+ | 67-69 D+ |
| 93-96 A | 83-86 B | 73-76 C | 65-66 D |
| 90-92 A- | 80-82 B- | 70-72 C- | 0-64 F |

Attendance/Participation:

You have reached the rhetorical stage of your educational development and are expected to participate in class, share thoughts and ideas, and help your fellow classmates.

Please be RESPECTFUL of other classmates during our time in the classroom. (We love to have fun but we also need to stay on task.)

Expectations/Guidelines:

Read the lessons to be covered prior to coming to Classroom Live.

Join live class on time. Please do not enter late and disrupt class by asking what you missed.

Attendance is important to understand the concept and the written work that will demonstrate understanding.

Learning is rarely accomplished by just watching. Do the examples with the class.

Take detailed notes neatly and orderly, not screen shots.

Ask questions if you do not understand a concept or how to show your work properly.