

## Calculus

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### Calculus MCLP

**10 units/year**

*Prerequisite: Regular Pre-Calculus with a B or better or Honors Pre-Calculus with a C or better.*

The objective of this course is to provide a review of functions, including trigonometric, exponential, and logarithmic. The course will include an introduction to limits and continuity, difference quotients, the derivative, and the definite integral. Techniques and applications of differentiation and integration will be included. Students who have successfully completed Pre-Calculus, but are not interested or prepared for the demands of the advanced placement calculus will benefit from this class as it provides continuity of the rigors of advanced math as well as a more solid base from which to enter college level calculus in their post-secondary studies.

Note: A graphing calculator (such as the TI-83) is required.

### Course Guidelines:

Attend class daily. It is your responsibility to make up missed classroom assignments, notes, and homework.

Be in your seat and ready to work when the bell rings. This means that your pencil sharpened and you are ready for class activities when the bell rings. Trips to the restroom should take place between classes.

Conduct yourself in a manner that is appropriate for a learning environment. You are expected to be supportive of the teacher and the other students. When someone is presenting, keep quiet, listen, take notes. Work with your partner or team members only. The following are unacceptable in this class: fighting, destructiveness, flying objects, foul language, rudeness or defiance of authority. Pagers, cell phones, CD players/ipods are not allowed in class. Keep them out of sight. Hats and hoods are to be removed. Food, drinks (water OK) or gum are not allowed in class.

Complete assignments daily. Make sure that your name and the assignment page and problem numbers are on the paper in order to receive proper credit. Unexcused late assignments will be marked down. Check [mrmartinsmath.com](http://mrmartinsmath.com) for assignments and worksheets.

Take classroom notes. You are required to keep a notebook. Use a spiral notebook or a three ring binder. Much of the class work will be done in your notebook.

Bring the following supplies to class everyday: #2 pencils, pen, eraser, lined paper, graph paper, your notebook.

Calculators in class. A graphing calculator is required for this course. The math department has some calculators to loan. See me for the details.

Accept responsibility for you own learning. Work every assigned problem. Ask for help if you need it. Ask questions during class. Keep an accurate notebook. Study sample problems. If you fall behind, you will be asked to attend tutoring to complete the work.

Attend tutoring as needed in room 120. I'm usually here Monday, Wednesday and Thursday after school.

**Grades:**

Students will receive points for their assignments. (5 pts.)

Notebook checked periodically.

Projects: points vary.

Quizzes are given usually after 3 classes (10 pts. prox.)

Tests approximately every two weeks (40 pts. prox.)

Grades are based on:

60% Tests

10% Quizzes

30% Assignments

Grading Scale

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F