

Calculus Course Outline 2017-18

Mr. Izzo

Lesson Plans and Homework Assignments can be viewed at:

<http://www.timizzo.com>

You can also find this site from the teacher pages link on the high school web site.

Course Description:

The course will develop two new math operations; differentiation, and integration, to go with the four basic mathematical operations previously learned (addition, subtraction, multiplication, and division). Calculus with analytic geometry will also be covered. This course will emphasize real-world applications of calculus.

Topics of Study:

Some topics covered in this class include polynomial differentiation, related rates, applied minimum and maximum functions, integral area under a curve, volumes of revolution, and analytical geometry.

Expectations:

Students are expected to:

- 1) Be on time and prepared for class.
- 2) Be respectful at all times during class.
- 3) Bring their **TI-83 Plus (or higher)** calculator **EVERY DAY**.
- 4) Have the **same Five-Subject notebook, and folder** with them throughout the year
- 5) Students also are expected to have mastery knowledge of all Pre-Calculus topics, particularly algebra, trigonometry, and logarithms.

Grading:

- 1) Quizzes will be given once a week (100 Points).
- 2) Tests (usually given once every 3 weeks - 200 Points).
- 3) Homework Grade (100 Points).
- 4) Class Participation Grade (100 Points).

Homework:

Homework is given every night. It should take approximately 10-15 minutes each night. Homework will be collected 1-3 times per week. This will constitute the homework portion of the grade. Finally, most test and quiz questions will be based on homework questions.

Study Groups:

It is highly recommended that students form small study groups as soon as possible. These groups should meet both two nights prior to and one night prior to an exam.

Extra Help:

Extra help will usually be given the day before a test, or by appointment.

Contact Information: The easiest (and quickest) way to reach me should you have any questions is through my school email account: tizzo@mtsinai.k12.ny.us