AP Calculus BC

Mrs. Dowling

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Major Text

Calculus for the AP Course (4th edition), Sullivan/Miranda

Course Overview

Course Overview: AP® Calculus BC is equivalent to a second-semester college calculus course. Topics include functions, limits and continuity, derivatives, and integrals, parametric/polar/vector-valued functions, and infinite sequences and series. The course will focus on applying the skills and concepts of calculus to modeling and solving problems across multiple representation

Prerequisites

Students should have completed Calculus AB and be familiar with limits and continuity, differentiation, and integration.

Course Outline and Description

Unit 1: All AB topics will be reviewed
Unit 2: Applications of Integration
Unit 3: Parametric Equations
Unit 4: Polar Coordinates
Unit 5: Vector-Valued Functions
Unit 6: Infinite Sequences and Series

Course Assessment

Nine Weeks Grade = 60% (Tests) + 40% (Quizzes/Daily)
1st Semester Grade = (1st 9 weeks + 2nd 9 weeks) ÷ 2 x 80% + Semester Exam x 20%
2nd Semester Grade = (3rd 9 weeks + 4th 9 weeks) ÷ 2

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Materials Required

1. TI-84 Plus or TI-84 Plus CE
2. 3-ring binder
3. Planner
4. Notebook paper
5. Pencils only

**Project supplies will be announced as needed

Classroom Rules and Expectations

1. Bring your supplies to class every day.
2. Be on time, attentive and involved.
3. Be respectful to everyone.
4. Put all trash in the trash can as you leave the classroom.
5. No late work will be accepted

Extra Help

Extra help is available before/after school by appointment.

Make-up Work

1. All make-up work is to be completed within three days of returning to school. Please see me to schedule make-up tests and quizzes.
2. It is ***your*** responsibility to get make-up work. Please let me know if you have any questions.
3. NO late work will be accepted.