



*Fairfield Ludlowe High School - Fairfield Warde High School*

# CALCULUS HONORS

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Insert Teacher Name

Insert Room Number

Insert Full Year/Semester

Insert Period

Insert Email Address

## COURSE DESCRIPTION

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Calculus is designed for the student who has completed Pre-Calculus and wishes to be introduced to a college calculus experience. Topics include a study of relations, functions and their graphs, limits, continuity, differentiation, integration and applications of these concepts. A major portion of the course will also be devoted to how and why these concepts can be applied in the solving of problems.

## COURSE ENDURING UNDERSTANDINGS

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Students should understand:

- Formal definitions and graphical interpretations of limits and continuity
- Formal definition, application and properties of a derivative.
- Formal definition, application and properties of an integral.
- Calculus can be used to extend our mathematical boundaries.
- Calculus is the study of change.

## UNITS OF STUDY

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- Preparing for Calculus
- Limits, Graphs, and Function
- Differentiation
- Applications of the Derivative
- Exponential and Logarithmic Functions
- Integration and its Applications

## COURSE POLICIES AND REQUIREMENTS

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### GRADING (see FPS BOE [Policy 6146.1AR](#))

#### Cumulative/In-Progress Grade:

- 10% of the grade will be based on formative assessments, homework completion, and behavior.
- 90% will be based on summative assessments, of which there will be a minimum of eight, with no fewer than 2 per quarter, for this full-year course; these may include Unit Tests, Mid-Unit Tests, Projects, Performance tasks, Summative Quizzes, etc.

#### End-of-the-Year Grade:

- 80% of the overall course grade will reflect the student's mastery of course content and skills during the school year through the Cumulative/In-Progress Grade.
- 10% of the End-of-the-Year course grade will be based on the Mid-Year Assessment.
- 10% of the End-of-the-Year course grade will be based on the Final Assessment.

#### Grade Reporting

- All grades will be communicated through Infinite Campus.
- Summative assessment results will be reported back to the student within ten school days from the date of submission or the due date, whichever is later.
- Formative assessment results will be reported back to the student within five school days from the date of submission or the due date, whichever is later and prior to any subsequent assessment..

#### Guidelines for Late Work:

- Late work will be accepted for both summative and formative tasks within a defined timeline agreed upon between the student and the teacher for excused absences.
- The total points may be reduced as a penalty for late work for unexcused absences. Students will earn a zero (0) if the assignment is not submitted or is submitted after the deadline for late work.

#### Reassessments:

- Any extenuating circumstances may be discussed with administration to allow alternative reassessment opportunities with administrative approval.
- Reassessment opportunities are defined as twice per year (with a maximum of one per quarter) for assignments that students met the original required deadlines and do not violate the academic integrity policy. Reassessment does not apply to midyear assessments or final assessments.
- Gradebook impact of Reassessment: original and reassessment scores will be averaged in the gradebook.

## MATERIALS

(Insert Course Materials Here, ie. Textbook, Binder, Calculator, Highlighters)

## EXPECTATIONS OF STUDENTS

(Insert Course Expectations Here)

## EXTRA HELP

(Insert Course Expectations Here)

(Insert Additional Information Here)