



# Calculus

Dr. Bill Girard

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## Prerequisites:

- This class is for grade 12.
- Must have completed Precalculus.
- Students scoring a B or better in prerequisites taken at WHCT are not required to take a placement test.
- All other students must pass a placement test prior to registration.



## Course Description:

Topics covered include limits and their properties, differentiation and its applications, Integration techniques and applications, logarithmic, exponential and other transcendental functions, introduction to differential equations, and if time, conics and parametric equations



## Commitment:

### Homework:

- Problems will be assigned to work at home. Parents are asked to check the answers in the back of the book, and the students will make corrections. This is to be turned in to me.

### Quizzes (40% of class grade) done at home^:

- Given each week, posted on Schoology.
- Work independently, open book and notes, but not open Google or AI
- Return in folder for grading

### Tests (40%) done at home^:

- After each chapter – about every 2 weeks
- Open book and notes, but not Google or AI
- Calculator allowed unless specified

^Return in folder for grading

### Mid term exam and final exam (10% each):

- Will be taken in class
- Open book, calculators allowed



## A typical class will look like...

In a typical class, we will review the material and examples in the text, covering 2-3 sections each week. Students will have opportunities to suggest methods for working the problems and ask questions to assure they understand the principles and methods used.



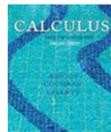
## Books and Supplies

### Textbook:

Calculus: Early Trancendentals (2nd Edition):

Briggs, Cochran, Gillett

ISBN: [0321954351](https://www.isbn-international.org/product/0321954351)



### Required Supplies:

- Graphing calculator. Desmos app is actually superior for graphing but not required.
- Computer with internet access to schoology
- Loose leaf paper for homework, quizzes and tests
- Folder to turn in quizzes & tests for grading