

syllabus 2015-2016

calculus

mt si high school

Why take Calculus?

Calculus is a FUN, rigorous, college level, math class with several benefits:

- Calculus is the foundation for future study in most STEM fields.
- Calculus has clear links to and applications within physics, finance, engineering, and many other fields.
- HS Calculus tends to increase students' comfort level in math courses in college.

General Course Topics

- 1: Prerequisites for Calculus
 - 2: Limits and Continuity
 - 3: Derivatives
 - 4: Applications of Derivatives
 - 5: The Definite Integral
 - 6: Differential Equations and Mathematical Modeling
 - 7: Applications of Definite Integrals
- Additional topics as time allows

Instructors

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Textbook

Calculus: graphical, numerical, algebraic by Finney, Demana, Waits, & Kennedy

Calculators

Both graphing and scientific calculators are required. A TI-83+/84+ graphing calculator is recommended.

Grading Scale

We adhere to the standard Mt Si High School grading scale.

Evaluation

Course grade will be a weighted average of these categories:

Assessments*:	60%
Daily Work**y:	25%
Final Exam:	15%

* No Test Retakes will be offered.

Students will be able to earn back up to 50% of the points lost on each test through a designated test corrections procedure.

** Unless otherwise noted, all assignments are due the day after they are assigned. Students have 1 day for every day of an excused absence to turn in work that was assigned during the absence.

✕ Students can turn in 4 late assignments per semester, tracked through late passes.

No Extra Credit will be offered.

Grading

C: adequate work that meets all of the expected criteria

D: work that does not meet the basic criteria

B or A: work that exceeds the criteria and shows initiative

"A" students attend class regularly, turn in all work on-time, bring necessary materials to class, take thorough notes, manage time effectively, participate in class discussions, and consistently demonstrate mastery of the content.

Tentative Pacing Guide for Calculus

<i>September</i>	Complete and assess Chapter 1 Begin Chapter 2
<i>October</i>	Complete and assess Chapter 2 Begin Chapter 3
<i>November</i>	Complete and assess Chapter 3
<i>December</i>	Begin Chapter 4
<i>January</i>	Complete and assess Chapter 4 Semester Final
<i>February</i>	Begin Chapter 5
<i>March</i>	Complete and assess Chapter 5 Begin Chapter 6
<i>April</i>	Complete and assess Chapter 6 Begin Chapter 7
<i>May</i>	Complete and assess Chapter 7 Begin Additional Topics
<i>June</i>	Complete and assess Additional Topics Semester Final

Go to my website

dexheimer.weebly.com

if you:

- forgot what the assignment was today
- were absent and need to get the assignment
- lost your worksheet
- want to check your answers
- want to know the date of the next test or quiz