

Calculus (AP & DE)**Instructor:** Mr. Daniel Lemay**Email:** daniel.lemay@oesu.org**Credit:** 1 (Full-Year Course)**School Year:** 2025–2026**Course Website:** danlemay.net**Phone:** 802-222-5214 ext. 202**Oxbow Mission Statement:**

We are a family of empathetic, inquisitive, and socially responsible learners affecting our world.

Course Overview

This course prepares students for advanced mathematics at the college level. It includes:

- **Differential Calculus:** Rates of change, limits and continuity, derivatives, and applications
- **Integral Calculus:** Definite integrals, differential equations, mathematical modeling, and applications

Learning Outcomes

Students will be introduced to the major concepts of a first-semester college calculus course, including graphical, numerical, analytical, and verbal representations of mathematical ideas.

Course Expectations

To succeed, you'll solve a variety of problems and connect math to real-world contexts. You'll express concepts in multiple representations and work both independently and collaboratively. All work should be submitted by the assigned deadlines.

Student Expectations

Students are expected to:

- Participate actively and respectfully
- Arrive prepared with pencil, notebook, textbook and charged Chromebook
- Take notes and complete classwork to support independent learning
- Show all supporting work on assignments
- Submit work on time (late work will not be credited unless due to absence)

Absences:

Make-up work should be completed within a time frame comparable to the length of your absence. Exceptions may be made individually. Weekly assignment sheets will be posted online to help you stay on track.

Getting Help

Help early is better than help late. You're welcome to seek help any day after school Tuesday through Friday.

Evaluation & Grading

Assignments fall into two categories:

- **Formative Assessments** (25%): Homework (paper and online), problem sets, presentations
- **Summative Assessments** (75%): Quizzes, tests, and major projects

Grades are calculated as a weighted mean. Letter grades follow Oxbow's Student & Parent Handbook.

Note: No extra credit is available.

Semester Grades:

- Marking Period 1 = 33⅓%
- Marking Period 2 = 33⅓%
- Comprehensive Exam = 33⅓%

Academic Integrity

Cheating, plagiarism, or misrepresentation will not be tolerated. Plagiarism includes quoting or paraphrasing another's ideas or language without proper acknowledgment. Refer to the Student Handbook for disciplinary actions.

Honor Pledge (required on all paper-based assessments):

"I have neither given nor received unauthorized aid on this assignment."

Include your signature and printed name.

Resources

- *Calculus: Graphical, Numerical, Algebraic* by Finney, Demana, Waits, and Kennedy (2007), Addison-Wesley
 - [MathXL for School](#) (registration details provided in class)
 - Other open-source materials as appropriate
Note: Textbooks must be kept covered per school policy.
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Required Materials

- A three-ring binder or folder dedicated to math. You will be assigned a mailbox in the classroom which can serve as a folder.
- Pencil or black/blue pen
- School-issued Chromebook
- Optional: TI-84 series graphing calculator

Dual Enrollment Opportunity

This course may be taken for college credit through White Mountain Community College and the NH Running Start program.

- **Cost:** \$150 (paid to WMCC)
- **Credit:** 4 transferable college credits
- [More Info](#) point your browser to

<https://www.ccsnh.edu/colleges-and-programs/programs-for-high-school-students-to-earn-college-credit/running-start/>

or contact Mr. Lemay 802-222-5214 ext. 202 or Lomond Richardson at ext 139

Signature Page

Please detach, sign, and return this page by **Monday, September 8th** for **25 formative points**. *Parents can just email me notifying me that they saw this.*

The signatures below confirm that the syllabus has been read and understood. It is recognized that the outlined material is accurate and will be followed as closely as possible. Adjustments may be made due to circumstances beyond the control of the teacher or administration.

Student Name (print): _____

Student Signature: _____

Date: _____

Parent/Guardian Signature: _____

Date: _____