



Reynolds High School

AP Calculus

Building Relationships for Academic Success

Mrs. Savage

(503) 667-3186 ext 1123

Room 702

ssavage@rsd7.net

Required Textbooks/Materials: *Calculus for AP* by Ron Larson and Paul Battaglia and AP Central website: <https://myap.collegeboard.org/> MyAP Join Code: WADANG. You will also need pencil, paper, a math section in your binder, and a graphing calculator. There are a limited number of graphing calculators that can be checked out from the library bookroom.

Course Description: This is an advanced placement course in differential and integral calculus. The function concept is central to calculus and will be studied graphically, numerically, and symbolically. Technology will be used extensively with this multiple representation approach to build a conceptual understanding of limits, continuity, differentiation, integration and differential equations. Participation in the AP testing experience in May is expected for course completion. AP classes require a minimum of five hours of homework a week.

Course Requirements: Homework will be assigned and checked every class day. Make sure to keep up with your assignments especially when you are absent. There will be approximately two quizzes per unit and tests will be given at the end of each unit. There will be a semester and a final exam.

Grading Policy Description: Your grade will be based on proficiency on the AP standards for Calculus. Your grade will be determined by both formal and informal assessments.

Students' grades will be weighted:

80% based on Mastery (Unit Tests, Semester Exams)

10% based on Classwork (Quizzes, Graded Projects)

10% based on Homework (Graded for completion)

Letter Grade Description & Percentage Breakdown

Grade Percentage	Letter Grade	Description
100% - 90%	AH	The student fully understands the content and the course objectives have been mastered.
89% - 80%	BH	The student understands the content and course objectives at an above average level.
79% - 70%	CH	The student understands the course content and course objectives at an average level.
69% - 60%	D	The student understands the course content at a below average level and a minimum of course objectives are met.
59% - 0%	F	The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.

Late Work/Retake Policy: If a student misses a test or quiz due to an absence, they may take the quiz or test in class the next day. All tests and quizzes must be taken within two weeks of the original test date. One test per semester may be retaken for a maximum grade of 75%.

Homework is given every class day and expected to be completed by the next class day. Late work will only be accepted on a limited basis. All homework and quizzes must be completed by the end of the unit.

College Credit: It is expected that all students sign up to take the AP exam given in May. If the cost for this test is a problem there are scholarships available. A score of 3, 4, or 5 on the AP test will receive credit from many colleges. There will also be an opportunity to sign up for credit through MHCC. You can earn up to 10 college credits for MTH 251 and 252. You must receive at least a C in order to earn Mt. Hood credit.

Course Schedule/Outline of Units

Dates	Topic
September	Limits and Continuity
October	Differentiation
November	Differentiation Techniques
December	Applications of Differentiation
January	Integration
February	Integration Techniques
March	Differential Equations
April	Applications of Integration
May	AP Prep
June	Partial Fractions and Improper Integration

Class Expectations

Prepared and Punctual: Please be on time to class. Tardiness is a sign of disrespect. Materials needed for class includes paper, pencil, and calculator. I have scientific calculators available to borrow during class, and graphing calculators can be checked out from the library. Cell phone calculators are not allowed. We will occasionally be using rulers and highlighters. These are also available to borrow in class.

Organized: You will need a section in your binder for math. Keep all work for the current unit in your binder. After the unit test, you may remove that unit's work from your binder, however you need to keep it in a safe place to study for the semester and final exams.

Writers: Be sure to keep your planner up to date with due dates, quiz, and test dates.

Engaged: Your time in high school is limited, be sure to get the most out of your education by being engaged in class. Be sure to pay attention in class and study for tests and quizzes. The entire class period should be used effectively. Headphones are not allowed during instructional time.

Respectful: Everyone's opinion is valuable to our discussions. There will be no negative comments, unconstructive criticism, or inappropriate behavior. Be respectful of the class environment by cleaning up after yourself and taking good care of the classroom supplies. Food is not allowed in class.