

Mrs. Berry AP Calculus

Room: 213

Email: jessicaberry@alpinedistrict.org

Class Website: www.berrymath.weebly.com

COURSE DESCRIPTION: The objective of this course is to help students become familiar with and gain a solid foundation in Calculus concepts listed below, prepare students for the AP Calculus test, and for college level math. This course is a full year course. Students will not be allowed to drop without permission from their teacher, parent, counselor, and an administrator. This is a college level math course. This class will be more rigorous and time consuming than previous math classes students have taken. It may require them to increase their study time and consider working with study groups or a tutor.

COURSE OBJECTIVES:

This course will include the study of the following concepts and topics:

- Limits and Continuity
- Derivatives and applications
- Differential equations
- Definite integrals and applications

SUPPLY LIST:

1. **Graphing calculator is required.** I recommend a TI-84 or TI-Inspire CAS. The school has calculators to rent if needed for \$20 that needs to be paid at the financial office. TI-89 calculators are allowed on the AP test but will not be allowed on our exams. If you own a TI-89, you may only use it when we begin reviewing for the AP test in March.
2. Notebook paper
3. Pencil and eraser
4. Textbook

GRADING POLICY:

65% SUMMATIVE ASSESSMENTS: Summative assessments are a measurement of a student's understanding of a full quarter's content. One summative assessment will be given at the end of each quarter and will be cumulative for the entire quarter. This single assessment is worth the majority of the student's grade, so it is important to prepare throughout the term by understanding homework, retaking formative assessments, and reviewing the material prior to the summative assessment. **There will be no retakes for the summative assessment**, but students have the option to complete a test analysis. This consists of re-doing all missed problems and writing a sentence explaining why you missed the problem. **A test analysis does not put points back on the original test score but counts as a separate assignment.**

20% FORMATIVE ASSESSMENTS: Formative assessments are designed to allow students to measure if they have a solid understanding of course learning objectives. Formative assessments will be given at the end of each unit. Students will have the option to do corrections and relearn

the content that they missed. After doing this, they can retake the missed pieces of the formative assessment to add points back to their original score. It is recommended that all students receiving below an 80% on the formative assessment should retake it to better learn the content. The purpose of the formative assessment is to help students prepare for the summative assessment at the end of the term. **A retake on a formative assessment must be completed within one week of initial scoring.** Only content that was missed will be on the retake assessment. With this retake policy, if you are absent during the unit, you will still be required to take the formative assessment in class the day that it is given. If you are absent the day of the formative, you will need to make arrangements to take it during flex or after school within one week.

15% ASSIGNMENTS: Assignments will be given daily and will be due at the beginning of the next class period. Assignment information can be found on the printed assignment outline and also on the class website. If you are absent the assignments missed (the assignment that was due on the day missed and the assignment assigned on the day missed) are due when you return to class. This also applies to school excused absences! It is your responsibility to be caught up on content by the time the exam is given, regardless of absences. The answers to odd problems will be in the back of the textbook and only even problems will be graded in class. Students are expected to grade any late assignments before turning them in.

LATE HOMEWORK: Assignments will be assigned each class period and are due the next class period. If you are absent (including excused or school excused), it is your responsibility to obtain the missed class notes and assignments. The assignments will be due the day you return to class. Assignments are given to help a student prepare for the formative and summative assessments and need to be turned in before an assessment is taken. Any assignments turned in after the class quarter deadline will not be graded.

CHEATING: If you are caught cheating at all you will receive an **automatic zero**. Use of a cell phone or other listening device during a test or quiz is considered cheating. Copying someone else's homework is considered cheating, working together is encouraged but don't confuse working together with cheating. Work given a zero for cheating cannot be made up including tests.

LETTER GRADE: the letter grade is determined by a weighted average of daily grades and tests.

A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	63-66%
B-	80-82%	D-	60-62%
C+	77-79%	F	below 60%

TUTORING: Math Lab is Tuesday, Wednesday, and Thursday after school from 2:30pm - 3:30pm. If you have questions on class content or homework, I highly recommend going to math lab to receive further instruction and help. I am also available after school **until 2:45** for questions. I encourage working on homework each day and asking questions when they arise to stay caught up with class material.

AP EXAM: The AP exam is a very rigorous math test that will require a lot of preparation. Course material will end with quarter 3 and quarter 4 will be spent reviewing and preparing for the test. The AP exam is not a required test and students who have maintained a C average or above on unit exams are encouraged to complete quarter 4 and take the exam.

During quarter 4 there will be strict guidelines and policies to help students prepare for the exam. They will also be required to take a full length AP practice exam after school.

ATTENDANCE: I support the school's attendance policy. Please see the student handbook for details.

CLASS WEBSITE: The class website is: www.berrymath.weebly.com. Please use this website frequently as it can be a great study tool as well as answer any questions you may have about the course. All course notes and assignments can be found on the website. Blank notes can be found on the course website. If you are absent, it's your responsibility to get the class notes from the class website or a classmate.

COURSE WEBSITE: The course website is: www.afhscalculus.weebly.com You will not receive printed notes for this class. You have the option to print the notes from the website before coming to class, or just take notes in a notebook. If you are absent, it's your responsibility to get the class notes from the class website or a classmate.

CLASSROOM POLICIES:

- Students are expected to follow all school policies regarding dress and behavior
- **Respect:** show respect for your classmates, teacher, and the classroom and always have a positive attitude
- **Responsibility:** come prepared with needed materials, complete all assignments on time, and always put forth effort
- Food and Drink, other than water, is not allowed in the classroom
- Internet accessible devices are allowed for classroom use such as homework, projects, etc. Off task devices if used during class will be taken and can be retrieved at the end of the school day.

CONTACT INFORMATION: If you have any questions or concerns, please feel free to contact me anytime. I do NOT regularly check my voicemails so the best method to reach me is by email at jessicaberry@alpinedistrict.org. If you would like to meet in person, please make

an appointment with me. Please do not show up to my classroom if you have not set up an appointment in advance.

American Fork High School complies with the requirements of Title IX of the Education Amendments of 1972 and Title VI of the Civil Rights Act of 1964. Therefore, no student shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination on the basis of sex, race, color, national origin, religion, or disability.