

Calculus Syllabus – Mrs. Cash

**Pre-requisite: teacher recommendation, successful completion of Pre-Calculus*

Semester 1:

Chapter P: Preparation for calculus

Chapter 1: Limit and their Properties

Chapter 2: Differentiation

Chapter 3: Applications of Differentiation

Chapter 4: Integration

Chapter 5: Logarithmic, Exponential, and Other Transcendental Functions (1st half)

Semester 2:

Chapter 5: Logarithmic, Exponential, and Other Transcendental Functions

Chapter 6: Differential Equations

Chapter 7: Applications of Integration

Chapter 8: Integration Techniques, L Hopitals Rule

In March we begin reviewing for the AP exam.

The AP Calculus Exam will be on Tuesday, May 5th at 8:00 am (mark your calendar)

Following the AP test, if your grade average is below a 89.5, you will complete a special project which will count as your final exam.

This course introduces the students to limits, derivatives, anti-differentiation and their applications. The functions used are mostly algebraic and trigonometric, but also include exponential and logarithmic functions.

Requirements for the class:

Three ring binder, paper, pencil, graphing calculator (will be provided)

Basis for averaging marking period grades:

Your grade for each marking period is the average of the tests given during each quarter. In addition, active participation in discussions and completion of daily assignments count as two test grades.

Augusta County Grading Scale:

A+ 98-100	B+ 88-89	C+ 78-79	D+ 68-69	F 0 - 59
A 92-97	B 82-87	C 72-77	D 62-67	
A- 90-91	B- 80-81	C- 70-71	D- 60-61	

Every student will receive a progress report mid-way through each marking period.

Classroom Rules and Expectations:

1. Augusta County dress code will apply.
2. Be respectful to yourself, other students, and the teacher.
3. All cell phones, i-pods, and other electronic devices must be turned off in the classroom.
4. Students will sit in assigned seats.
5. Students are expected to take care of personal needs (bathroom, water, locker) before arriving to class.
6. Students who are not in their seat, with needed materials when the bell rings will be considered unexcused tardy. **Office referrals will be done each time a student accumulates 3 tardies.**
7. Book bags must be kept out of the aisles.
8. All students are required to complete all assignments on time.
9. All food must be consumed outside of the classroom. Drinks with closing tops are allowed. **NO CANNED DRINKS!** You must clean up your own mess!

Expectations for Teachers and Students with Lab Devices

- Teachers will closely monitor all students' use of devices
- Teachers will have a list of students assigned to each numbered device in each class
- Users are responsible for proper use of devices
- Devices must be carried with both hands
- Users must keep devices within sight of teacher (not carried in book bags or desks)
- Users must keep keys in proper locations, removing keys and switching keys will result in loss of privileges to use devices
- Users may only connect something into a port on device with teacher permission
- Users report any problems immediately to teacher
- Users save their work and shut down device when finished; make sure the screen is black
- Teachers will return devices to the cart in the correctly-numbered slots in the cart
- Teachers will ensure that all cables are arranged neatly in carts
- Teachers will ensure that carts are locked and secure
- Teachers will return the lab cart to the proper storage location before they leave school for the day
- Use only dry microfiber cloth to clean screens

Homework:

- Students will have homework most days! (Yes, even on weekends.)
- Homework must be completed daily (if not finished in class, it must be completed at home)
- If an assignment is not given one day, students are expected to use that time reviewing notes and reworking problems they found difficult the first time.
- Students will have word-problems in most chapters, and are expected to work through those problems using examples from notes.
- **COPYING HOMEWORK IS CHEATING**, and will result in an office referral for both/all parties involved!

IF YOU HAVE A QUESTION, ASK! I'M HERE TO HELP! If you know you are struggling with material, be sure to ask before test day, after that, it may be too late!!

I will make appointments to help students after school by appointment. Struggling Algebra 2 students will be first priority for help before school.

Absences: Students are expected to attend school.

- When absent, all assignments must be completed and turned in within three days of the absence.
- If a student has a pre-arranged absence, they are expected to collect all needed assignments before the absence. (If possible, a one-week notice is appreciated.)
- All daily assignments will be posted on the wall of the classroom, along with copies of missed worksheets & notes. Students are expected to collect those independently
- If absent for a test or quiz, students may be required to come in before or after school, this will be determined on an individual basis. Students who are present on the original test day are eligible for any curves given. I will not curve tests made up on another school day.

Keys to success: Attend regularly, do your homework and study for your tests

The Augusta County School Board does not discriminate on the basis of race, color, national origin, religion, age, disability, or gender in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding non-discrimination policies:

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Director of Personnel
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Verona, VA 24482
(540) 245-5107

Section 504 Coordinator
Douglas W. Shifflett, Jr., Ed.D.
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