

TECH HIGH SCHOOL
Course Syllabus for Calculus
Spring 2008

TEACHER: Ms. Costen **ROOM:** M-2 **Block(s):** 3rd
PREREQUISITE: Successful completion of Advanced Algebra & Trig
EMAIL: rcosten@techhighschool.org

DESCRIPTION: Calculus is the study of motion and change split into the major topics of differential and integral calculus. Differential calculus looks into rates of change, discovering the slope of a curve, calculating velocities, and accelerations of moving objects. While integral calculus helps us find the area of irregular regions, measure lengths of curves, and to calculate the center of arbitrary solids.

TEXTBOOK: *Calculus with Analytic Geometry* 8th edition **PRICE:** \$ 140.00
Larson, Hostetler, & Edwards © 2006.

SUPPLIES: Without the proper supplies, a student's ability to learn is decreased. If there are any concerns regarding the supply list, please contact me via email.

- 3-ring binder (ONLY for Calculus)
- Graphing Calculator
- Pencils
- Colored pen
- Loose-leaf notebook paper
- Graph Paper
- Ruler
- Tab Dividers

GRADING SCALE:

Work Ethic:	10%
Quizzes, Homework, Classwork:	20%
Test:	25%
Projects:	25%
Final Exam:	20%

TUTORIAL SCHEDULE:

Students may attend tutorial **WITHOUT** an appointment:

Monday and Wednesday 3:30 – 4:30 pm
Tuesday and Thursday 7:00 – 8:00 am

If additional help is needed students may make an appointment with Ms. Costen.

Ms. Costen reserves the rights to adjust or modify these policies to best serve the needs of the students.

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GENERAL CLASSROOM EXPECTATIONS:

- 1) Come to class prepared and on time.
- 2) Follow directions the first time.
- 3) Listen to the presenter be it a peer, the teacher or a guest.
- 4) Leave gum, food, and beverages other than water in your locker.
- 5) Respect yourself and others.
- 6) Keep the room safe by keeping hands, feet and objects to yourself.
- 7) Follow Tech High School Policies as defined in the Family Handbook.

CLASSROOM COURTESIES:

The classroom will be a safer, more pleasant place if we observe basic courtesies.

- Please and Thank You
- Yes or No
- Excuse Me
- Not hitting each other, even in jest
- Support, encourage, and help each other
- Use of appropriate language
- Respect each other
- Talk one at a time
- Have patience

TEST MASTERY METHOD:

The objective of this process is to help students take responsibility for their learning. If a student works diligently and consistently through this process, the need for repeated makeup tests will diminish over time because of refined study habits and stronger grasp of content.

This method also helps students who do not grasp material quickly or have an 'off' test day. In both instances, the student is given the opportunity to re-test and earn a better grade than the one originally made.

To prove mastery and earn points for a test, students must get 85% of a test correct.

	Test Score	Points Earned
First Testing	85+%	100
Second Testing	85+%	90
Third Testing	85+%	80
Fourth Testing	85+%	70

Please note that this policy is **ONLY** FOR **TESTS**.

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EXCUSED ABSENCE:

Students with excused absences have 3 days for each excused day to complete and turn in missed work. Students will have partners responsible for taking notes and collecting handouts while they are gone. There is NOT a point deduction for work turned in within the allowed 3 days from the excused absence.

TARDIES:

Should you be tardy, you must present a valid pass from the teacher who held you. After 3 unexcused tardies, a parent will be contacted and a detention issued.

LATE WORK:

Late work may be submitted with my approval and will receive a deduction.

POSTED GRADES:

Grades will be posted weekly by student identification number (this is not the student's Social Security Number). This hopefully will increase student awareness of grades and motivation to do better.

BATHROOM PRIVILEGE:

Students are only allowed TWO bathroom passes each month. Before leaving and after returning, students MUST sign the Bathroom Log. Please do not abuse this privilege.

If there are any health concerns, please contact Ms. Costen.

1ST AND LAST 10 MINUTES:

In order to most effectively begin and end class, students are not allowed to leave the classroom during the 1st or last 10 minutes of class.

LOST AND FOUND:

If you find anything in the classroom, submit it to the teacher to place in the Lost and Found box. If you lose an item, the teacher will return the item to you after you have described it appropriately and signed for the item. The rule "Finders Keepers, Losers Weepers" **DOES NOT** apply in this classroom.

TEACHER'S AREA:

My work area contains confidential information and personal belongings. This area is off-limits to students unless they are given permission to be in my work area.

HOMEWORK:

Homework calendars will be distributed to students on a weekly basis. Students have homework most nights and should spend a minimum of 60 minutes a night studying.

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REWARDS:

Possible rewards to be given for extra participation, great team work, academic excellence, continually complying with classroom procedures, etc.

- Homework Passes
- Constructive Free Time
- Bonus Test Points
- "Pat on the Back" Card
- Verbal Praise

CONSEQUENCES:

- Verbal or Non-verbal warning
- Reflection Assignment
- Detention
- Confiscation of electrical devices
- Teacher/Student conference
- Parent/Guardian contact
- Out-of-School Suspension

Please complete and return this page to Ms. Costen in acknowledgment of receiving and reviewing the Calculus course syllabus.

- I understand my duties and responsibilities as a Calculus student.
- I will follow the rules and procedures of the classroom

Student Signature

Date

Print Student Name

Date

- I have read and understand the duties and responsibilities of my child as a Calculus student.
- I will assist my child in following the guidelines for this class.

Parent/Guardian Signature

Print Parent/Guardian Name

Parent/Guardian Signature

Print Parent/Guardian Name

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