**Syllabus:** Calculus 1

**Instructor Information**

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**Textbook Information**

Calculus by Briggs, Cochran, and Gillett

mathXLfor schools – online learning platform to be used for assignments

**Supplies**  
A graphing calculator (preferably a TI84 CE)

3-ring binder with loose leaf paper

#2 Pencils and erasers

Supplies for projects as needed

**Student Learning Outcomes for the Course**

1. Develop Solutions for tangent and area problems using the concepts of limits, derivatives, and integrals.
2. Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point.
3. Determine whether a function is continuous and/or differentiable at a point using limits.
4. Use differentiation rules to differentiate algebraic and transcendental functions.
5. Identify appropriate calculus concepts and techniques to provide mathematical models of real-world situations and determine solutions to applied problems.
6. Evaluate definite integrals using the Fundamental Theorem of Calculus.
7. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus.

**Student Requirements for Completion of the Course and Due Dates**

Assignments may be turned in **after** the due date but, scores are automatically **reduced for each day beyond** the due date. There will be a 5 day window for taking chapter tests after the due date for students who are absent on the day of the test.

Information about topics for daily assignments will be available on the school website. [www.hooksisd.net](http://www.hooksisd.net)

Daily Work - Assignments done in class and completed at home as necessary.

Tests – There will be a minimum of 2 Unit tests given each 6 week grading period.

Semester Tests – There will be a comprehensive final exam given the last week of each semester in our regular classroom. No exemptions allowed.

**Student Assessment**

Tests – 60%

Daily Work – 40%

Six Weeks Grade = 0 .4\*daily work average + 0.6\*Test average

Semester Grade = 0.3\*1st six week average +0.3\*2nd six week average + 0.3\*3rd six week average + 0.1\*semester test grade.

Final Grade = 0.5\*1st semester average + 0.5\*2nd semester average

**Please see the accompanying syllabus for TC to be aware of the grading policy for the college and the final grade and percentages for your college transcript. They are not the same as the above.**

**Grading Scale**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | 90-100 | **B** | 80-89 | **C** | 70-79 | **D** | 60-69 | **F** | 59-below |

**Test Policy** –A student may retake any quiz or test within 1 week of the test administration **after** seeking additional instruction. This instruction will include correcting the previous test and/or completing an additional worksheet for practice. The original test score and the retake score will then be averaged together and the average will be placed in the grade book for that test. **Exception-**If the average of the tests is less than 70 but the second test is 70 or more, a 70 will be recorded in the gradebook for the test.

**Calculator Policy** – Each student will be assigned a calculator for in-class use after a calculator–policy sheet has been signed by the student and a parent/guardian and returned to me. As these calculator will not be checked out for home use, there will be access to a free on-line calculator at Desmos.com as well as calculator apps that can be downloaded to various types of smart phones. If you feel that your child needs at-home access to a graphing calculator, then I suggest a TI-84 CE graphing calculator that can be purchased at most local retail stores.

**Calculator/Chromebook Policy-**I agree that it is my responsibility to return any calculator/chromebook I use in good condition at the end of the class period. I understand that I will be responsible to pay the replacement cost of the calculator/chromebook if I fail to return the calculator/chromebook in the same condition it was in when I received it. I understand that if the calculator/chromebook is damaged or stolen this fine will be assessed against me and if I fail to bring the cost of the calculator/chromebook that my records and diploma will be held by the school until such time as the fine is paid in full.

**Please sign below stating your agreement to and understanding of this syllabus and calculator/chromebook policy and turn it back in as soon as possible.**

Student signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**This document will be available at all times on Mrs. Kuhn’s teacher webpage on the school website and in your child’s google classroom for this course.**