COURSE SYLLABUS

COURSE: Calculus H/AB **TEACHER:** Linda Coulson, Linda.Coulson@fcstn.net

Google Classroom Code (see class expectation #5): cowjp5eh

COURSE DESCRIPTION

Calculus is designed for students interested in STEM-based careers and builds on the concepts studied in precalculus. The study of calculus on the high school level includes a study of limits, derivatives, integration, and modeling. Calculus honors and Calculus AB are all taught at the same level of rigor. Students must understand and apply concepts and problem solving skills regularly. Content is sequential, with honors calculus covering limits, some derivatives, and an introduction to integration. AB Calculus covers additional derivative and integration topics and is roughly equivalent to one semester of college calculus.

CLASS EXPECTATIONS

1. Expect to learn something every day. Be prepared. Have your supplies ready, including your Chromebook (charged), book, and a pencil. Work completed in pen will not be accepted.
2. Covered drinks are acceptable.
3. You may only use the restroom in an emergency, you are expected to stay in class.
4. Expect to have homework most nights. My goal is 30 minutes, although I realize students work at different speeds. The best way to develop mathematical skills is to work on math problems, a lot of problems! If homework is taking too long or you are becoming frustrated, put it up and come into school early for help.
5. **Use google classroom daily (especially if absent!) to keep up with assignments and resources**.
6. Phones are to be placed in the phone holders at the front of the room when you enter class. You may retrieve your phone when there are 3 minutes left in class.

STUDENT EVALUATION*

20% Completion Grades: Ex. Class Activities and Practice Problems
80% Assessments - Accuracy Grades: Ex. Quizzes, Tests, Projects
Students passing the AB exam with a 3,4 or 5 may receive college credit.

*REMEDIATION

Students are expected to correct every test and major quiz. Corrections are not an "effort" grade. Re-worked problems must be correct. Students with **no missing assignments** will be allowed to drop 2 grades (max of one major and one minor) per 9 week period. Students with one missing assignment will be able to drop one minor grade. Major grades have a point value of at least 50 points and minor grades have a point value of less than 50 points.

How to do a Proper Test Correction:
1. Every wrong answer must be corrected. And by corrected I mean correct. You have me, other math teachers, technology, and other students as resources.
2. If the mistake was analytic, you must write out every step of the corrected problem from the place where you made your first mistake. (Simply changing the answer of a MC question does NOT qualify as a correction.)
3. If the question requires analysis, you must explain in writing the logic and process behind the problem, not just what you did wrong, but what you need to know to solve the problem, and then how you successfully solved it. The goal is demonstrating improved understanding!
4. Corrections are to be done on a separate sheet of paper and stapled to the front of the original document. If you have no errors on an assessment, you will just return the original assessment. If the assessment was online you will turn in the paper with your corrections. Please label with the name and the date of the original assessment.
5. Corrections are due no later than one week after the assessment was graded and returned.

MAKEUP POLICIES: Excused absences are always a possibility during a semester. Make every effort to be in class, but when absences are unavoidable the students have an equal number of days to complete the make-up work as the number of days missed. ***Assignments are normally posted on google classroom*.**

TUTORING: Tuesday - Friday, 7:00-7:45 S226.

NEEDED SUPPLIES.

1. A 3 ring binder to keep up with class notes, homework papers, and returned work.
2. Earbuds.
3. Notebook paper
4. Optional but helpful: Graphing calculator (TI Inspired)
5. Charged chromebook. Charged!

HELPFUL LINKS

Released Free Response Questions AB and BC:
https://apcentral.collegeboard.org/courses/ap-calculus-ab/exam/past-exam-questions

Advanced Placement Course Description:
https://apcentral.collegeboard.org/pdf/ap-calculus-ab-and-bc-course-and-exam-description.pdf

Advanced Placement AP Classroom - Join Code Y7XNE6
https://myap.collegeboard.org/login

This syllabus with active links is available on Google Classroom