

COURSE SYLLABUS

COURSE: Calculus H/AB

TEACHER: Linda Coulson

Google Classroom Code (see class expectation #5): [xqvaxbx](#)

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, modeling plus others such as parametric, polar, and vector functions, and series. Calculus honors, AB, and BC 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 introduction to integration. AB Calculus covers additional derivative and integration topics and is roughly equivalent to one semester of college calculus. BC covers additional integration topics as well as series, and is roughly equivalent to one year of calculus at most colleges and universities.

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.**

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 quizzes taken. Corrections which are not accurate will not be accepted. Students with **no missing assignments** (this includes test/quiz corrections) 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 tests excluded.

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 and other students as resources.
2. 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.

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: Normally Tuesday and Thursday 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. Fine tip dry erase markers (at least 3 colors)
4. Pencils/Colored pencils
5. Paper (notebook and graphing)
6. Optional but helpful: Graphing calculator (TI Inspired)

HELPFUL LINKS**Textbook:**

<http://teacherpress.ocps.net/cynthiaandrews/files/2013/06/Calculus-9th-Edition-by-Ron-Larson-Bruce-H.-Edwards.pdf>

Official solutions to odd problems in textbook: <http://www.calcchat.com>

Helpful Videos : <http://patrickjmt.com/>

Released Free Response Questions AB and BC:

<https://apcentral.collegeboard.org/courses/ap-calculus-ab/exam/past-exam-questions>

Advanced Placement Course Requirements:

<https://apcentral.collegeboard.org/pdf/ap-calculus-ab-and-bc-course-and-exam-description.pdf>

Advanced Placement AP Classroom

<https://myap.collegeboard.org/login>

This syllabus with active links is available on Google Classroom/Classwork/Administration.