



Young's Yearly Objectives

Contact Information

Room 201

Email: young@toledochristian.com

Class website:
<http://www.quia.com/profiles/eyoung214>

Class Blog:
<http://www.mrsyoungscalculusclass.blogspot.com>

AP Central: <http://apcentral.collegeboard.com>

Course Description

AP Calculus at TCS follows the national AP Calculus course of study. This course introduces the concepts of calculus in both method and application. This course emphasizes a multi-representational approach to calculus, where students learn the concepts graphically, numerically, analytically, and verbally. Students are taught the "big picture" of how and why calculus works. One of the main goals in this class is to prepare students for the AP exam and for future math courses they may take in college.

Course Timeline

First Semester:

- Ch. 1: Pre-calculus review (pre-req. packet)
- Ch. 2: Limits and Continuity (2.1 – 2.4)
- Ch. 3: Derivatives (3.1 – 3.9)
- Ch. 4: Applications of Derivatives (4.1 – 4.4, 4.6)

Second Semester:

- Ch. 5: The Definite Integral (5.1 – 5.5)
- Ch. 6: Differential Equations (6.1 – 6.2, 6.4)
- Ch. 7: Applications of Integrals (7.1 – 7.3)
- Review and preparation for the AP exam

AP Calculus 2012 – 2013!



Class Rules

- At all times in Mrs. Young's class you will strive to honor God.
- You will be on time and prepared for class every day. Remember, after every 3 unexcused tardies you will get a detention.
- There is no food or drink in the classroom at any time.
- No playing games on your calculator or laptop during class.
- You will follow all other rules as laid out in the TCS student handbook (i.e. dress code and cell phones).

Class Materials

- No smaller than a 1½" three ring binder with 5 tab dividers: 1) warm-ups, 2) notes, 3) homework, 4) quizzes/tests, and 5) Practice AP materials. All work done both inside and outside of class should be kept in this binder at ALL times! ☺
- TI-89 graphing calculator for use in class and on homework (provided by TCS) – batteries are your responsibility.
- Notebook paper AND graph paper
- Calculus textbook (must be covered)
- Lots of pencils (NOTHING IS DONE IN PEN IN MRS. YOUNG'S CLASS!!!!!!!!!!!!!!)

Grading Policy

Your final grade is based on your cumulative point total throughout each quarter. Below, I have listed the different types of assignments you will be expected to complete throughout each quarter and the approximate number of points for each.

- Homework and In-Class Work: each assignment will be collected and graded in some way. Homework grading policy: Each homework assignment will be worth a 5-point completion grade. You are eligible to earn: ($\sqrt{+}$ = 5 points, $\sqrt{}$ = 3 points, $\sqrt{-}$ = 0 points).
- Class Blog: 5 points each week
- Homework quizzes: 10 points each
- Quizzes: 10 – 30 points each
- Tests: 50 – 100 points each
- Projects and presentations: 50 – 200 points each
- Binder: 50 points each quarter



AP Disclaimer

Since this is an advanced placement class, my expectations for you are especially high. Being in an AP class does not mean "more" work, but it does mean that you will need to be able to analyze, reason, and communicate mathematical ideas in a variety of ways and at a higher level. Our main goal is preparation for the AP exam in May. All AP calculus students are required to take the national AP Calculus AB exam administered in May. Unlike previous math classes, ALL the concepts you will learn in calculus are completely new. Your brains will be stretched, but I know YOU CAN DO IT if you work hard! You are expected to spend extra time on the material in order to understand and master it for the exam in May!

Reminder: You must maintain an average of at least a B- at the end of each semester to remain in an honors course. Final decisions to remove a student are left to the discretion of Mrs. Young along with the school principal.

Classroom Procedures

- Homework will most likely be assigned every night. The best way to learn math is to practice! **NO LATE WORK IS ACCEPTED!!**
- You must be in your seat when the bell rings, or you will be counted tardy. If there is a warm-up on the board, you must begin working on it as soon as the bell rings.
- If you miss a day of school, it is YOUR responsibility to check my Quia website to see what you missed.
- You will be given the same amount of days that you were absent from school to complete any missed assignments.
- If you need extra help, either because you were absent or you are lost, PLEASE PLEASE come see me! I do not bite! (most of the time).
- You will be given 2 homework passes to use for each semester. Once both passes are used up, you will receive a zero for any assignments not completed. So use them wisely!
- If you choose to use a homework pass on the day of a homework quiz, you will receive an automatic 10 points. Remember, homework quizzes occur once a week (usually less in AP calculus), and are unannounced.
- Bring your calculator to class EVERY day! If you forget your calculator, you must solve all of the super hard AP calculus problems in your head. Please guard your calculator with your life! 😊

Important Dates

Grading Periods: 1st quarter ends Oct. 19th
2nd quarter ends Dec. 21st
3rd quarter ends March 8th
4th quarter ends May 30th
(May 22nd for seniors)
1st semester exams: December 19th – 21st

*AP Calculus students are exempt from the 2nd semester exam due to participation in the national AP exam the beginning of May.

National AP Exam: Wednesday, May 8th at 8:00 AM!!!!