

Pre-Calculus Syllabus

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Goal: To help each student reach his/her highest potential in Pre-Calculus.

Statewide Dual Credit (SDC) Course: This course is a SDC Course. It is taught at the college level and the final grade for the course includes an additional weight of 1 point in the highschool weighted GPA calculation. This course will require preparation time outside of class for assessments and strong organizational skills.

Text: *Pre-Calculus: An Investigation of Functions (2nd edition)* by Lippman & Rasmussen

**This is an open source textbook available as a digital copy. If you prefer a softbound textbook for personal use, softbound books are for sale on Amazon.com.

Topics of Study: University School's Pre-Calculus course is aligned to the Tennessee State Standards for Mathematics. For more information on the state mathematics standards, visit <https://www.tn.gov/education/early-postsecondary/dual-credit.html>.

Required Materials: A notebook dedicated to Pre-Calculus
A pencil and eraser (for assignments)
A pen (for grading and corrections only)
Paper (Notebook paper and graph paper)
Textbook (downloaded or softbound)
TI-84 calculator
Laptop or Chromebook

Calculator: The TI-84 Plus graphing calculator is required for all high school mathematics courses. We will use calculators throughout this course for both in-class assignments/activities and homework so that you gain familiarity with the calculator prior to college. The TI-84 Plus will be allowed on parts of assessments in this class, and it is approved for use on the ACT Exam. Students are expected to bring their calculator to class daily. Please see me if you are unable to purchase the TI-84 Plus. If you choose to use a graphing calculator other than the TI-84, it will be your responsibility to learn the appropriate key strokes. Please note the majority of assessments will be taken without this calculator. Therefore, please use it as a tool rather than a crutch. On non-calculator portions of exams, you may use a provided four-function calculator.

Cell Phones: Cell phones can negatively impact learning. Students should not access cell phones during class unless given temporary permission by Dr. Summey or in an absolute emergency. Please make sure you silence your phone or turn it off when entering class.

Absence(s): A student with a(n) excused absence(s) will be given one day for each day absent to make up work. An announcement is posted in Canvas each day with a brief summary of class activities. It is a student's responsibility to check Canvas for announcements when they are absent from class for any reason. Students should NOT email Dr. Summey about what he or she missed in class. Students who follow these guidelines will earn full credit on make-up work with the exception of Notebook Quizzes. A Notebook Quiz will be exempted for a(n) excused absence(s). Work submitted outside this timeframe will be treated as late work and receive reduced credit.

Grading: Each assignment will be assigned a specific point value. Each Quarter Grade will be calculated by finding the percentage of points earned out of the total possible points. For example, if a student earned 250 points out of a possible 275 points, the student would have a 90.9% for the Quarter.

1st Semester Grade:

1st Quarter 40 %
2nd Quarter 40 %
1st Semester Exam 20 %

2nd Semester Grade:

3rd Quarter 40 %
4th Quarter 40 %
2nd Semester Exam 20 %

Final Grade: 1st Semester 50 %
2nd Semester 50 %

Grade Assignment: **A: 90-100**
B: 80-89
C: 70-79
D: 60-69
F: 0-59

Homework: Homework will be assigned regularly. Students are expected to attempt all assigned problems and ask questions about homework as it is discussed in class. Students are required to complete all homework in pencil and correct all homework in class in ink. Notebook Quizzes will be unannounced and you will be scored on two random problems when homework is collected. To earn full credit, you must have the correct answers and all supporting work to justify the answers. Notebook Quizzes are taken AFTER corrections in class. Correcting all homework and showing all required work are key components of success in this course.

Late work: A student has one day for each excused absence to make up work. If a student is aware of an assessment prior to an excused absence, the student should be prepared to take the assessment the day he or she returns to school. Assessments made up one day late will be scored at 85% credit. Assessments made up two days late will be scored at 70% credit. Assessments made up three days late will be scored at 50% credit. Assessments made up beyond three days late will be scored at 40% credit.

Study Tip: Homework, along with the list of objectives for each section, should serve as a study guide for Quick Tickets and quizzes. Quizzes should serve as a study guide for tests. Tests should serve as a study guide for Quarter, Semester, and Statewide Dual Credit Exams.

Extra Assistance: Students are encouraged to attend the math lab, as needed. You do not need to register to attend the lab. However, you can be assigned to the math lab if you need regular help. Students disturbing the lab will be required to return to a regular study hall. If your study hall is at noon rather than 12:30, you will need to eat lunch at 12:00 so you can attend the math lab at 12:30. The lab is open from 12:35-1:00. If Dr. Summey is absent, only students assigned to the math lab may attend.

Statewide Dual Enrollment Course: Students enrolled in Pre-Calculus are required to take the Statewide Dual Enrollment Exam near the end of the year. Students earning a 70 or better on the exam will be awarded college credit at their Tennessee public college of choice. Only a four-function calculator is allowed for this test.

Weighted Average: This is a SDC course. SDC courses are weighted one additional point in weighted GPA's.