

GSE Pre-Calculus

Mr. Brian O'Dell

Email: Brian.ODell@cobbk12.org

Room: 304

Fall, 2018

Course Description: This is the final course in a sequence of mathematics courses designed to prepare students to take Advanced Placement Calculus. It requires students to investigate and use matrices; analyze, graph and develop equations for conic sections; analyze and use trigonometric functions, their graphs and their inverses; find areas of triangles using trigonometric relationships; use trigonometric identities to solve problems and verify equivalence statements; solve trigonometric equations analytically and with technology; understand and use vectors; use sequences and series; and develop an understanding of probability theory.

Text: PreCalculus (2011). Carter, Cuevas, Day, Malloy, Bryan, Holliday, Hovsepian. Glencoe/McGraw-Hill.

Materials:

- Large 3 Ring Binder (2" or larger)
- Dividers – Binder should be divided into nine sections (1 section for each unit)
- Pencils
- Graph Paper and Notebook Paper
- It is **highly** recommended that you own a TI-84 graphing calculator

Expectations for students:

- Be on time (in your seat, ready to go when the tardy bell rings)
- Be prepared (notebook, paper, pencil, homework, calculator, etc.)
- Be respectful (of yourself, others, and property)
- Follow the school's Academic Integrity policy (p. 6 in student handbook)
- No eating or drinking (except water) in class
- Accept responsibility for your actions
- Cell phones, tablets and smart watches are not to be used, seen or heard during class, unless otherwise instructed

Discipline: If a student engages in disruptive behavior, I will use a combination of the following methods: warning, seating change, detention, parent contact, parent/student/teacher conference and office referral.

Homework: Homework will be given and checked regularly. All work must be shown **neatly**. *All work must be shown to receive credit.* **Students will receive full credit, half credit, or no credit for the homework assignments; unless otherwise stated, homework is based on completion only.**

As homework is checked randomly, late homework will not be accepted to replace a grade less than 100%.

Quizzes, Tests: All work must be shown to receive credit, and quizzes and tests must be completed in pencil.

Final Exam: The Final Exam is a cumulative test that assesses the students' continued mastery of material learned throughout the semester.

Field Trips, etc.: The student is responsible for work missed. Since these are prearranged, you must have your assignment on the normal due date. *There is no extended make-up period for field trips.*

Make-up work: MAKE-UP WORK IS THE STUDENT'S RESPONSIBILITY!

Upon returning to school following an absence, it is the student's responsibility to obtain make-up work. Students can refer to the "Pre-Calculus" basket to obtain all missed handouts, and students may obtain missed class notes and additional assignments from a classmate.

- The student will be given the same amount of time to make up the work as the student was absent unless other arrangements are mutually agreed upon.
- The student will receive the actual grade on the make-up work if the absence is "excused". Make-up work for "unexcused" absences may be reduced by 10%. Make-up work submitted late will receive a zero.
- If a student is absent only 1 day when a test/quiz is given, the student should be prepared to complete the test/quiz in class upon his/her return to class. If a student is absent the day an assignment is due, the student should be prepared to turn it in upon his/her return.

Average: Student grades will be averaged by the following:

Homework, Daily = 10%
Quizzes = 20%
Tests = 55%
Semester Exam = 15%

Grading Scale: Final grades will use the following scale:

A 100 – 90
B 89 – 80
C 79 – 74
D 73 – 70
F Below 70

Extra Help: Assuming I do not have a meeting, morning duty or any other obligation, I will be available from 7:45 until 8:15 before school M – F. Please let me know ahead of time if you want or need extra help, so I can make arrangements. Students are **strongly** encouraged to work with classmates in study groups at lunch and outside of school.

NOTE: Please come and see me if you need help in this class. Keeping up with the material is very important. Don't wait until it is too late to ask for help!

*****I reserve the right to change these policies as the year progresses if they do not work out as expected.*****

Attention Parents: Please **email** Mr. O'Dell (Brian.ODell@CobbK12.org) with the information listed below, **or fill out** the paper and return. This is the first homework assignment of the year.

Parent/ Guardian Information (please print all information):

Parent 1:

Name: _____

Relationship: _____

Cell Phone: _____

Home Phone: _____

Work Phone: _____

Email: _____

Parent 2:

Name: _____

Relationship: _____

Cell Phone: _____

Home Phone: _____

Work Phone: _____

Email: _____

I have read and understand Mr. O'Dell's course syllabus for Pre-Calculus. My son / daughter and I will adhere to the policies listed in the syllabus throughout the year.

Parent Signature: _____ Date: _____

I have read and understand Mr. O'Dell's course syllabus for Pre-Calculus. I will adhere to the policies listed in the syllabus throughout the year.

Student Signature: _____ Date: _____