# Fall 2017 Panther Creek High School

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## **Essentials of College Mathematics**

# **COURSE DESCRIPTION**

ECM focuses on fifty-two key readiness standards as well as ten Process Readiness Indicators needed for students to be ready to undertake postsecondary academic or career preparation in non-STEM fields or majors. The course addresses standards throughout high school and even earlier, including Algebra I, statistics and geometry, and the Algebra II standards agreed to as essential college and career-readiness standards for most students. Appropriate technology, from manipulatives to calculators will be used regularly for instruction and assessment.

# **TECHNOLOGY**

Presentations in class include the use of PowerPoint, ipads and a graphing calculator. It is imperative that every student have access to a graphing calculator. **Students are expected to demonstrate proficiency with a graphing calculator.**

### TEACHING PHILOSOPHY:

The goal of this course is to teach students how to think independently and critically. In an effort to foster and develop independent thinkers and learners, students will be required to read, interpolate, and discuss concepts presented in their workbook and class. My role is to present concepts in a clear and concise manner and to facilitate class discussion and learning. This philosophy is based on the idea that students learn best through group discussions, immediate use of knowledge and through teaching others.

### Recommended Materials

Three ring binder

Loose Leaf Paper

Pencils

TI-84 Plus Graphing Calculator

#### Teacher’s Wish List for the Classroom

#### Clorox Wipes

#### Tissue

#### EXPO Markers

#### Hand Sanitizer

#### Grading Scale

Tests 50% A 90 – 100

Quizzes 30% B 80 – 89

Homework 5% C 70 – 79

Student Engagement 5% D 60 – 69

Classwork 10% F Below 60

**Tests** are administered upon the completion of each unit and are cumulative. There will be approximately 3 tests per quarter.

**Student Engagement** will be assessed using a variety of tasks. These tasks include attending Smart Lunch, presenting problems in class, and performing test corrections.

**Quiz –** There will be one to two quizzes per unit.

**Homework/Classwork** will be assigned daily. It is the expectation that students will complete their homework nightly and be prepared to ask questions the following day. Homework will be checked daily and homework calendars will be collected at the end of each unit and graded on a 4 point scale.

**A Final Exam** will be administered in January. The Final Exam will comprise 20% of the student’s final grade, as mandated by the State of North Carolina. **Seniors may obtain exemption from the Final Exam.**

### Remediation: Students will be given opportunity to complete test and quiz corrections on each test and quiz for student engagement credit. If test corrections are completed for each test, the student may choose to have their midterm and/or final replace their lowest test grade for that quarter.

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### Make-up Work Students have two days to make-up work for every *excused* day of absence, according to Wake County policy. However, if a student is absent the day of a test, he/she may be expected to complete test during class the day of their return.

### Projects This class will use projects as a means to assess student’s knowledge in various ways. Students will be assigned at least two projects per quarter and are expected to adhere to all deadlines. Projects will generally count as a test grade. Five points will be deducted from the project’s final grade for each day a project is late with a maximum deduction of 40 points for late work.

### Tutoring SMART Lunch Monday Lunch B and Thursday Lunch A

### Communication

Course notes, videos, and assignments can be found at pchsecm.weebly.com

Grades will be posted online on Powerschool. Grades will be updated regularly.

I have read the attached course outline. I understand all that is expected of me in this class this semester.

Student’s Name (Printed) Signature Date

Parent’s Name (Printed) Signature Date