**Pierce County High School**

**Coastal Pines Technical College**

**11th Grade--MATH 1111--College Algebra**

**Course Syllabus – Fall 2017**

**Instructor:**  Becky King Email: rebeccaking@pierce.k12.ga.us

Phone: (912) 449-2055

**Hours on Campus**: 7:50AM-3:50PM MTWRF

Planning Period: None

I will be available for students to receive extra help 7:30-8:05AM and 3:30-3:50PM daily. Let me know ahead of time, if possible.

**Course Description:** Emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, and systems of equations; optional topics include sequences, series, and probability or analytic geometry.

**Pre-requisites:** Appropriate Algebra placement score.

**Course Credit:** 3 Semester Credit Hours

**Class Schedule: M-F Block 2- Period 3**

**M-F Block 2- Period 4**

**M-F Block 3- Period 5**

**M-F Block 3- Period 6**

# Materials: Notebook, pencils, and an eraser. A MyMathLab access code is required. Coastal Pines will provide each student with a code. You will need a TI-84 graphing calculator for this course (can be checked out from PCHS). You may not use your cell phone as a calculator.

**Required Textbook:** *Algebra and Trigonometry, 5th ed.,* Bittinger,,Beecher, Penna. ISBN: 9780321772213 (a la carte with MyMathLab access code)

**Competencies:**

* Fundamental Concepts of Algebra
* Equations and Inequalities
* Functions and Graphs
* Systems of Equations
* Optional Topics

**General Education Competencies**

CPTC requires that you demonstrate general education competencies in order to graduate and pass this class. Pertaining to mathematics, the areas are 1) be able to solve a linear equation in one variable; 2) be able to evaluate a function; 3) be able to factor a trinomial; 4) be able to write the equation of a line given its slope and a point on the line; and 5) be able to graph a quadratic function and determine the characteristics of that function and graph. The Competency Test for MATH 1111 will be administered after mid-semester to provide the opportunity to demonstrate mastery of mathematical competencies. Students will have at least three chances to demonstrate mastery. **You must make 70+ on the Competency Test.** There are sample questions in the practice competency test in MyMathLab.

**Learning Outcomes:**

* Students exiting MATH 1111 will be able to analyze a function in one variable defined by an algebraic expression (linear, quadratic, rational, radical, exponential or logarithmic) or presented graphically and apply the appropriate techniques to determine the domain of the function.

**Course Outline:**

|  |  |
| --- | --- |
| Chapter R | Basic Concepts of Algebra |
| Chapter 1 | Graphs, Functions, and Models |
| Chapter 2 | More on Functions |
| Chapter 3 | Quadratic Functions and Equations; Inequalities |
| Chapter 4 | Polynomial Functions and Rational Functions |
| Chapter 5  Chapter 9 | Exponential Functions and Logarithmic Functions  Systems of Equations and Matrices |
|  |  |

**Classroom procedures:**

1. Cell phones: See policy in student handbook, page 48.
2. Respect the rights of others to be in class and learn. In particular, conversations during the instructor’s lectures are distracting and hinder learning. You will be warned only once, and if it occurs again, your parent(s) will be contacted.
3. The instructor will take daily attendance for the class.
4. **IT IS THE STUDENT’S RESPONSIBILITY TO KEEP UP WITH THE WEEKLY CLASS SCHEDULE.** If a student misses a class, it is his/her responsibility to find out what was covered and what assignments may be due for the time missed. Students are responsible for what is said in class or listed on the syllabus, regardless of presence or absence. It is each student’s responsibility to complete class assignments and prepare for tests in a timely fashion so that he/she can meet stated deadlines and due dates.
5. Students are expected to keep a notebook in which they maintain handouts and other materials pertinent to class. Once a handout or other resource has been provided to a student, he/she is expected to be able to retrieve that information upon request.
6. Successful completion of this course is based upon demonstration of mastery of the major competencies outlined for the class. Each class will involve sessions of lecture and opportunities to practice the content covered in each class.
7. You must have a signed hall pass to leave class for any reason. You will be allowed to use a hall pass to leave this class a **maximum of three times** during this semester

**Student Attendance Requirements:** You may not miss more than **10%** of class meetings to meet the attendance requirements of Coastal Pines Technical College. You must also meet the attendance requirements of Pierce County High School. See Pierce County High Student Handbook.

A student who is tardy more than fifteen minutes (15 minutes) will be considered absent for that class period. Students who leave the classroom or lab fifteen minutes (15 minutes) prior to the scheduled end of class or lab will be considered absent for that class or lab period.

**Student Evaluation and Academic Grading:**

**Course Grading Grading Scale**

|  |  |
| --- | --- |
| 90 – 100% | A |
| 80 – 89% | B |
| 70 – 79% | C |
| 60 – 69% | D |
| 0 – 59% | F |

|  |  |
| --- | --- |
| Categories | Weights |
| Unit tests | 50% |
| Daily Grades Midterm | 20%  10% |
| Final Exam | 20% |

**Daily Grades**

Daily grades consist of homework or assignments done in class, MyMathLab assignments, and quizzes. Most homework is graded the class period after it is assigned. Daily grades will count 20% of your grade.

**Homework/MyMathLab**

All MyMathLab homework is online. You will find the homework under the “Homework” tab of MyMathLab. Each homework problem has unlimited attempts for each problem. Aim to make 100% on all assignments. Remember, practice makes perfect. Due dates are listed beside the assignments in MyMathLab. **Time extensions will be granted but a penalty of 10% per day will be deducted from the grade for each late assignment.**

**Extra Credit:** Extra credit is not given in this class. Pierce County High School policy allows for up to 5 points to be added to your average for MOWR courses.

**Unit Tests**

Each unit test is a proctored, in-class test. You are expected to show your work and write all necessary steps in the completion of the problems**.** Remember **NO WORK=NO CREDIT**!!! Tests count 50% of your grade. If you miss a test, please let your instructor know immediately. You will need to make arrangements outside of class time to take that test within three days of the absence.

**Midterm Exam**

The final exam will be a paper and pencil test. The midterm will be a comprehensive exam with 25-33 questions. You may use a calculator for this exam. The exam will count 10% of your grade. Ten points will be deducted per day if you miss the midterm and need to make-up the exam.

**Final Exam**

The final exam will be a paper and pencil test. The final exam will be comprehensive exam with 25- 50 questions. You may use a calculator for this exam. The exam will count 20% of your grade. No make-up exams will be allowed for the final exam. The final exam will be given Dec. 11-12.

**Important Dates:**

|  |  |
| --- | --- |
| **Date** | **Event** |
| **Fall Term Begins** | **August 7, 2017** |
| **Labor Day Holidays** | **September 4, 2017** |
| **Progress Reports** | **September 8, 2017** |
| **Midterm** | **October 11, 2017** |
| **End of 1st nine weeks** | **October 12, 2017** |
| **Fall Holidays** | **October 6,9-10, 2017** |
| **Report Cards** | **October 19, 2017** |
| **Progress Reports** | **November 15, 2017** |
| **Thanksgiving Holidays** | **November 20-24, 2017** |
| **Final Exams** | **December 11-12, 2017** |
| **Christmas Holidays** | **December 20, 2017-January 9, 2018** |

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**Falsification of Records and Cheating**: Any student caught cheating on schoolwork or who falsifies, alters, or attempts to falsify or alter school records will be subject to dismissal from Coastal Pines Technical College Dual enrollment program.

***This syllabus is subject to change. Any changes will be announced in the classroom. Changes will supersede this syllabus.***

**I have read and understand the course requirements, grading procedures, and rules for this course as outlined in this syllabus.**

**NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(Please print)**

**CLASS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_Block\_\_\_\_\_**

**Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**