

CUMBERLAND COUNTY COLLEGE

Course: MA 094 Mathematics and Beginning Algebra

Credits: 3 (Cannot be applied towards graduation credits)

Prerequisites

Required Accuplacer score or completion of modules 1 - 4

Description

This course emphasizes adding, subtracting, multiplying, and dividing real numbers, polynomials, rational expressions, and radical expressions; solving first degree equations, simple inequalities, literal equations, quadratic equations, rational equations, systems of equations, and radical equations; factoring polynomials; graphing linear equations and systems of equations.

Learning Outcomes

At the completion of this course, students will be able to:

- Demonstrate manipulative algebraic skills and a logical approach to problem solving
- Add, subtract, multiply, and divide real numbers, polynomials, rational expressions, and radical expressions;
- Solve first degree equations, simple inequalities and literal equations, quadratic equations, rational equations, systems of equations, and radical equations;
- Factor polynomials;
- Graph linear equations and systems of equations.

Topical Outline

- Equations, Inequalities, and Problem Solving
- Graphing Equations
- System of Equations
- Exponents and Polynomials
- Factorization
- Rational Expressions
- Roots and Radicals
- Quadratic Equations
- Solving Linear & Quadratic Equations

Required Texts and Other Materials

There is no hard copy version of a text book for this course. Instead students must purchase an online access code to MyMathLabPlus through the college bookstore. The ISBN is 1323286527. You will then have access to the course materials including an e-book: Developmental Mathematics. Students who have recently completed MA 091 may be able to use the same access code. Students are also required to have a notebook, pencil/pen and earphones. A scientific or graphing calculator is optional.

Assessment

All first time students must earn a grade of 100% for orientation video and assignment.

The final course grade will be calculated as stated below:

70% The average of modules 5-9

30% Participation

The final course grade must be 70% or better to pass the course.

- Upon successful completion of the course, a student will receive a letter grade (A, B, C).
- If a student does not complete the minimum number of modules, he/she will be required to repeat the course and will be issued a final grade of an “R.”
- Homework, sample tests, worksheets, and watching videos should be completed outside of the regular class time.
- Students may utilize no more than a half of class period to study for the Homework Creators. Instructors will ask the student to take the Homework Creator after that time is up (loss of participation points could occur if a student does not comply).

Mastery Requirements:

- 80% for Homework
- 70% for Sample Tests
- 70% for Tests & Homework Creators
- Students are expected to attend all classes. There are no excused absences.
- All students will begin the semester with a Participation grade of 100 and one point is deducted for every one hour of class missed.
- If you miss 2 classes in a row, you run the risk of being dropped from course.
- Any student that has a participation grade of less than 80 points may be dropped from the course.

Academic Integrity

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental (ignorance of the proper rules for handling materials is no excuse), plagiarism is, indeed, a “criminal” offense. As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Available Resources

If you are having difficulty with work in this class, tutoring is available through the Success Center. If you think that you might have a learning disability, contact Project Assist at 856.691.8600, x1282 for information on assistance that can be provided to eligible students.

(List availability of open labs and/or writing center)

Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing

from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.