

CUMBERLAND COUNTY COLLEGE

Course: MA 091 Mathematics & Beginning Algebra

Credits: 3 (Cannot be applied towards graduation credits)

Prerequisites

Required Accuplacer score

Description

This course emphasizes solving adding, subtracting, multiplying, and dividing whole numbers and decimals; basic geometry with area and perimeter of squares, rectangles, triangles; area and perimeter of circles. Multiplying and dividing fractions and mixed numbers; adding and subtracting fractions and mixed numbers with common and uncommon denominators. Ratios, proportions, percent's, and simple interest; adding, subtracting, multiplying, dividing real numbers; the introduction to solving equations with one variable; and graphing and solving basic inequalities with interpreting them in interval notation.

Learning Outcomes

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

- Add, subtract, multiply, and divide whole numbers
- Add, subtract, multiply, and divide decimals
- Manipulate basic geometric shapes and formulas
- Multiply and divide fractions
- Add and subtract fractions with common and uncommon denominators
- Compare values with ratios and proportions,
- Find percent and simple interest
- Add, subtract, multiply, and divide real numbers
- Solve a basic equation for a given variable
- Graph and solve basic inequalities with interpretation in interval notation

Topical Outline

- Whole Numbers
- Integers and Introduction to Variables
- Fractions
- Decimals
- Ratios, Proportions & Percent
- Introduction to Algebra

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: Basic College Mathematics w/Early Integers. Students are also required to have a notebook, pencil/pen and

earphones. A basic 4-function calculator is optional. More advanced calculators are not permitted.

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 1 – 4

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). However, this grade will have no bearing on the student's grade point average.
- 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.