

# Northeastern Technical College

## MAT 032

### Developmental Mathematics

**Course:** MAT 032

**Title :** Developmental Mathematics

**Credits:** 3 hours

**Instructor:**

**email:**

**Office:**

**Telephone Number:**

**Office Hours:**

**Prerequisites:** Placement Scores (Compass Test: Pre-algebra 22 - 39).

**Description:** Developmental Mathematics includes a review of arithmetic skills and focuses on the study of measurement and geometry, basic algebraic concepts, and data analysis. Application skills are emphasized.

\* **Calculator usage will be introduced after completion of decimal work.**

**Textbook(s) or Alternative:** Basic College Mathematics, An Applied Approach, 9<sup>th</sup> edition, Aufmann, Barker, Lockwood.

**College Wide Competencies:** Apply mathematical/computational skills to solve problems.

**Learning Outcomes:** The student will be able to:

1. perform arithmetic operations using whole numbers, fractions, decimals, and percents.
2. solve problems using algebraic and geometric concepts.
3. perform arithmetic operations with measurements.

**Attendance:** (Math Department Policy) Students are expected to attend all scheduled classes and are responsible for all class work, homework, notes, etc., whether or not they are present. In the event of extenuating circumstances, such as illness, you are allowed to miss **up to 8** hours. The student will be dropped after missing more than 8 hours of scheduled classes. If an instructor drops a student for excessive absences at any time during the semester, a grade of a F will be assigned. If the student withdraws from the course, a grade of a W or a WF will be assigned as outlined in the college catalog. **THERE IS NO SUCH THING AS AN EXCUSED ABSENCE!! IF YOU EXCEED THE ALLOWED NUMBER OF ABSENCES, YOU WILL BE DROPPED.** A student is considered tardy if not present for roll call, which is taken at the beginning of the class. Three tardies constitute 1 hour of absence.

**Academic Dishonesty:** Students are expected to do their own work. Please refer to the NETC Student Code and Grievance Procedure for a definition of academic dishonesty and an outline of the disciplinary action that may result.

**Student Disabilities:**

Students with disabilities are encouraged to contact the Vice-President for Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice-President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs.

**Classroom Etiquette:**

1. Electronic communication devices (pagers, cell phones, etc.) are NOT allowed in the classroom. On-call emergency personnel should see the instructor for an exemption.
2. No visible food or drinks are allowed in the classrooms.
3. No radio or headphones are allowed in the classrooms

**ID Policy:**

**It is mandatory that every student wears his/her ID at all times when on the Cheraw campus.**

During the first week of classes, the instructor will issue a reminder to wear the ID. This reminder is a warning.

After the first week of classes, instructors are required to dismiss students without an ID from class.

The student may get his/her ID (or a new one in Student Services for \$3.00) and return to class before the midpoint of the class. If the student cannot get an ID and return to class by the midpoint, the instructor will record the absence.

**Evaluative Methods:**

Chapter or topical tests and a final exam will be given. The average of the chapter test will constitute 80% of the student's final grade in the course and the final exam will constitute the remaining 20% of the grade. A final exam will be given and **no** test grades will be dropped.

**Make-Up Test Procedure:**

**No make-up** tests are given except in extenuating circumstances. The **student** is responsible for contacting the instructor **prior** to the time the test is scheduled to arrange a meeting to discuss the process of making up the missed test.

**Grading Scale:**

A = 93 - 100

B = 85 - 92

C = 77 - 84

NC = Below 77

Any student receiving a grade of W, WF or NC is required to repeat Math 032.

## **COURSE TOPICAL OUTLINE:**

<b><u>Week</u></b>	<b><u>Sect.</u></b>	<b><u>Topic</u></b>	
1-2	1.1 – 1.3	Adding and Subtracting Whole Numbers	
	1.4 – 1.5	Multiplying and Dividing Whole Numbers	
	1.6 – 1.7	Other Operations with Whole Numbers	Test 1 _____
3 - 4	2.1 – 2.5	Adding and Subtraction Fractions and Mixed Numbers	
5	2.6 – 2.8	Multiplying and Dividing Fractions and other Operation with Fractions	Test 2 _____
6	3.1 – 3.6	Operations with Decimals	Test 3 _____
7	4.1 – 4.3	Ratio and Proportions	Test 4 _____
8 - 9	5.1 – 5.5	Percents	Test 5 _____
10 – 11	10.1 – 10.3 11.1	Integers and Variable Expressions	
12 - 13	11.2 – 11.3	Solving Equations	Test 6 _____
14	9.1 – 9.4 12.1 – 12.3	Measurement Geometry	
15	7.1 – 7.3	Statistics	Test 7 _____
Review			Final Exam