

**NORTHEASTERN TECHNICAL COLLEGE  
COURSE OUTLINE**

<b>COURSE: PREFIX NO.</b> MAT 032	<b>EFFECTIVE DATE</b> Fall 2007	<b>NEXT REVIEW DATE</b> Fall 2008
<b>TITLE:</b>  Developmental Math	<b>CREDITS</b>  3.0	<b>CONTACTS</b>
		<b>CLASS - LAB - TOTAL</b> 3      0      3

**PREREQUISITES:** COMPASS: Pre-Algebra 22-39.

**DESCRIPTION:** Developmental mathematics is intended for students who need assistance in basic arithmetic skills. Based on assessment of student needs, instruction includes performing the four arithmetic operations with whole numbers, fractions, decimal percents, and an introduction to measurement, algebraic, and geometric concepts. Word problem skills are emphasized. Non-Degree Credit.

Calculator usage will be introduced after completion of decimal work.

**TEXTBOOK(S) OR ALTERNATIVE:** Basic College Mathematics, An Applied Approach, 8<sup>th</sup> Edition, Aufmann, Barker, Lockwood. 2006

**MATERIALS:** The student should purchase textbook, notebook, pencils, and erasers. Graphing calculators are recommended, however, scientific calculators may be substituted.

**CLASS MANAGEMENT ACTIVITIES (Attendance, Tardies, Testing, etc.):**

**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.

**Attendance:** Students are expected to attend all scheduled classes and are responsible for all classwork, 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 eight (8) hours. The student will be dropped after missing more than eight (8) hours of scheduled classes. If an instructor drops a student for excessive absences at any time during the semester, a grade of "F" will be assigned. If the student withdraws from the course, a grade of "W" or "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.

**Tardy:** A student is considered tardy if not present for roll call, which is taken at the beginning of the class. Three (3) tardies will be considered as one (1) hour absence.

Classroom Etiquette:

1. Electronic communication devices (pagers, cell phones) 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 classroom.
3. No radios or headphones are allowed in the classrooms.

Student ID: It is mandatory that every student wear 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 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 midpoint of the class. If the student cannot get an ID and return to class by midpoint, the instructor will record the absence.

**DISABILITIES STATEMENT:** 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. (See College Catalog)

**RESOURCES (A-V, persons, tools/equipment):**

Videotapes for practice are available in the Success Center.

**COURSE TOPICAL OUTLINE:** (List topics and sub-topics of course and calendar or approximate length of time devoted to topic.)

**TENTATIVE CLASS OUTLINE**

<u>WEEK(S)</u>	<u>SECTION</u>	<u>TOPIC</u>
1	1.1 - 1.3	Adding and Subtracting Whole Numbers
2	1.4 - 1.5	Multiplying and Dividing Whole Numbers <b>TEST 1</b> _____
3	1.6 - 1.7	Other Operations with Whole Numbers <b>TEST 2</b> _____
4-5	2.1 - 2.5	Adding and Subtracting Fractions and Mixed Numbers <b>TEST 3</b> _____

**COURSE TOPICAL OUTLINE: (Continued)**

<u>WEEK(S)</u>	<u>SECTION</u>	<u>TOPIC</u>
6	2.6 - 2.8	Multiplying and Dividing Fractions and other Operation with Fractions  <b>TEST 4</b> _____
7-8	3.1 - 3.6	Operations with Decimals  <b>TEST 5</b> _____
9-10	4.1 - 4.3	Ratio and Proportions  <b>TEST 6</b> _____
11-12	5.1 - 5.5	Percents  <b>TEST 7</b> _____
13-15	8.1 - 8.2 12.2	Measurement Geometry  <b>TEST 8</b> _____  <b>REVIEW</b>

**FINAL EXAM**

**OBJECTIVES OF COURSE/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 measurement conversions.

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

**INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:**

Examples of problems worked on the board.  
Homework assignments  
Tests

**EVALUATIVE METHODS TO APPRAISE OBJECTIVES:** Chapter or topical tests and a final exam will be given. The average of the chapter tests 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:** The grade point scale that will be used is as follows:

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 MAT 032.