

**NORTHEASTERN TECHNICAL COLLEGE
COURSE OUTLINE**

COURSE:	PREFIX NO.	EFFECTIVE DATE	NEXT REVIEW DATE		
	MAT 150	August 2010	August 2011		
TITLE:		CREDITS	CONTACTS		
			CLASS	LAB	TOTAL
Fundamentals of Math		3	3	0	3

PREREQUISITES: Acceptable placement score or completion of MAT 032 with a grade of "C" or better.

DESCRIPTION: This course includes the following topics: elementary number theory; basic algebra and geometry; English and SI measurements; ratio and proportion; statistics; and graph interpretation.

TEXTBOOK(S) OR ALTERNATIVE: Prealgebra, Aufmann, Barker, and Lockwood, 5th edition.

MATERIALS: The student should purchase textbook, notebook, pencils, and erasers. Graphing calculators are suggested but not required, however, a scientific calculator may be substituted. A ruler and graph paper are suggested but not required.

COLLATERAL READING:

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 8 hours. The student will be dropped after missing more than 8 hours of scheduled classes. If the 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.

Tardies: A student is considered tardy if not present for roll call which is taken at the beginning of class. Three tardies constitute one (1) hour of absence.

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.

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 radios or headphones are allowed in the classrooms.

Student ID Policy: It is **mandatory** that every student wear his/her ID at all times on 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.

DISABILITIES STATEMENT: Students with disabilities are encouraged to contact the Dean of Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Dean of Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See College Catalog)

RESOURCES (A-V, persons, tools/equipment): Computerized instruction, drill and practice available on selected topics. Ask your instructor for suggestions or visit 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 SCHEDULE

<u>WEEK (S)</u>	<u>SECTIONS</u>	<u>TOPIC</u>	
1-2	2.1 - 2.3	Integers	TEST 1 _____
3	2.5	Order of Operations	TEST 2 _____
4-5	5.1 - 5.3	Variable Expressions	TEST 3 _____
6-8	6.1 - 6.3	Equations	TEST 4 _____
	6.4	Translating Sentences into Equations	

TENTATIVE CLASS SCHEDULE: (Continued)

<u>WEEK (S)</u>	<u>SECTIONS</u>	<u>TOPIC</u>	
9-10	5.4 - 5.6	Variable Expressions	TEST 5 _____
11-12	6.5 - 6.6	Rectangular Coordinate System	TEST 6 _____
13-14	7.1 - 7.4	Measurement and Proportion	TEST 7 _____
	9.1 - 9.2	Geometry	
15	10.1 - 10.2	Statistics	TEST 8 _____

REVIEW AND FINAL EXAM

INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:

- Lectures
- Examples of problems worked on the board.
- Homework assignments
- Tests
- Computer tutorial and quizzes

STUDENT LEARNING OUTCOMES: The student will demonstrate an ability to

perform arithmetic operations with integers, rational, decimal and real numbers and to apply these skills to introductory algebraic operations.

COLLEGE WIDE COMPETENCIES: Apply mathematical/computational skills to solve problems.

EVALUATE METHODS TO APPRAISE OBJECTIVES: Chapter or topical tests and a final exam will be given. The final average will be 80% of the test average plus 20% of the exam.

GRADING SCALE: The grade point scale that will be used is as follows:

A = 93 - 100

B = 85 - 92

C = 77 - 84

D = 69 - 76

F = BELOW 69