

**NORTHEASTERN TECHNICAL COLLEGE
COURSE OUTLINE**

COURSE	PREFIX NO.	EFFECTIVE DATE	NEXT REVIEW DATE		
	MAT 102	Fall 2010	Fall 2011		
TITLE:	CREDITS	CONTACTS			
		CLASS	- LAB	- TOTAL	
Intermediate Algebra	3	3	0	3	

PREREQUISITES: Acceptable placement score or completion of MAT 101 with a grade of "C" or better.

DESCRIPTION: This course includes the study of linear systems and applications; quadratic expressions, equations, functions, and graphs; and rational and radical expressions and functions.

TEXTBOOK(S) OR ALTERNATIVE: Algebra: Introductory and Intermediate, 5th ed.; Aufmann, Barker, and Lockwood. Houghton Mifflin Co.

MATERIALS: The student should purchase textbook, notebook paper, pencils, erasers, scientific calculator, ruler, and graph paper.

COLLATERAL READING: None

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 the 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.

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

Make-up Test: **No make-up tests** are given except in extenuating circumstance. 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.

Student ID:

It is mandatory that every student wear his or her student ID at all times. 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)

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.

RESOURCES (A-V, persons, tools/equipment): Videotapes, drill and practice are available on selected topics in the NETC Student 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</u>	<u>CHAPTER</u>	<u>DESCRIPTION</u>
--------------------	-----------------------	---------------------------

14-15	10.1	Solving Quadratic Equations by Factoring or by Taking Square Roots
	10.2	Solving Quadratic Equations by Completing the Square
	10.3	Solving Quadratic Equations by Using the Quadratic Formula

TEST 8 _____

EXAM

** OPTIONAL TOPIC

STUDENT LEARNING OUTCOMES / OBJECTIVES OF COURSE: The student will be able to:

1. Simplify and solve problems with algebraic expressions, polynomials, systems of equations, ratio and proportions, functions, and radicals.
2. Graph and solve linear and quadratic inequalities, equations, and functions.

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

INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES: Lectures covering course material will be supplemented by problem solving.

EVALUATIVE METHODS TO APPRAISE OBJECTIVES: Chapter and topical tests and a final exam will be used to compute your grade for MAT 102. Your final grade for the course will be 80% of the test average plus 20% of the exam grade. A final exam will be given and **NO** test grades will be dropped.

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