

ELEMENTARY ALGEBRA (MATH 095)
CRN 10374
INSTRUCTOR – BARBARA MAURICE
SPRING 2006
MOHEGAN - RM. 302
T/R 12:20-1:50
OFFICE: RM 17; PHONE 383-5221
OFFICE HOURS: MWTR 11:30 – 12:30
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COURSE DESCRIPTION

This course extends the basic algebra skills acquired in MATH 078. The topics include: signed numbers, solving first-degree equations, exponents, polynomials, factoring, graphing, systems of linear equations, inequalities, radicals and scientific notation. (This course does not count towards the minimum requirements for graduation.

PREREQUISITE

Acceptable placement score or Math 075 with a “C” grade or better.

TEXTBOOK

Beginning Algebra by Martin-Gay (Fourth Edition).

TENTATIVE SCHEDULE

T	1/24	Review of basics	1.4-1.5
R	1/26	Review of basics	1.6-1.7
T	1/31	Algebraic expressions, add./mult. properties of equality	2.1-2.3
R	2/2	Solving linear equations, problem solving	2.4-2.5
T	2/7	Problem solving, formulas, inequalities	2.6-2.8
R	2/9	Review	
T	2/14	TEST #1 (CH. 1-2)	
R	2/16	Coordinate system, graphing, intercepts	3.1-3.3
T	2/21	Slope, slope-intercept form	3.4-3.5
R	2/23	Point-slope form	3.6
T	2/28	Systems of equations	4.1-4.2
R	3/2	Systems of equations, problem solving	4.3-4.4

T	3/7	Review	
R	3/9	TEST #2 (CH. 3-4)	
T	3/14	Exponents	5.1
R	3/16	Add./subt./mult. of polynomials	5.2-5.3
T	3/28	Special products, negative exponents, scientific notation	5.4-5.5
R	3/30	Division of polynomials, radicals	5.6 & 8.1
T	4/4	Review	
R	4/6	TEST # 3 (CH. 5 & 8.1)	
T	4/11	GCF, factoring by grouping	6.1
R	4/13	Factoring $x^2 + bx + c$, $ax^2 + bx + c$	6.2-6.3
T	4/18	Factoring binomials	6.4
R	4/20	Factoring strategy, quadratic equations	6.5
T	4/25	Problem solving, review	6.6
R	4/27	TEST #4 (CH. 6)	
T	5/2	Review	
R	5/4	FINAL EXAM	
T	5/9	Make – up	
R	5/11	To be used as needed	

Attendance/Homework/Requirements

It is strongly suggested that students make every effort to attend ALL classes. More than three absences during the semester will jeopardize the student's success in the course. Homework will be assigned on a daily basis. All homework assignments must be completed. Students will be required to have a two-section math notebook. One section is to be dedicated to class notes while the other section will be dedicated to homework. The student's math notebook should be available to the instructor at each class. Students are allowed to use a calculator. Cell phones may not be used as a calculator and must be turned off during class.

Methods of Evaluation/Make-ups

Tests will be announced. Unannounced quizzes may be given at the discretion of the instructor.

Tests that are missed for any reason cannot be made up (with the exception of snow conditions). If a student misses one of the first four tests, a make-up test will be given at the end of the semester. A student can also use this make-up test to replace their lowest test grade. Final grades will be assigned according to the following:

<u>CLASS AVERAGE</u>	<u>FINAL GRADE</u>
90 -100	A- / A
80 - 89	B- / B+
70 - 79	C- / C+
60 - 69	D- / D+
Below 60	F

College Withdrawal Policy

Students may withdraw, in writing at the Registrar's Office, for any reason until the end of the 10th week of classes. From the 11th week through the end of the 13th week, a student may withdraw with the signature of the instructor or advisor.

Statement on Disabilities

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Service at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor. Your cooperation is appreciated.

TENTATIVE HOMEWORK ASSIGNMENTS

- 1.3 1-83 odd
- 1.4 1-89 odd
- 1.5 1-29 odd, 35-53 odd, 65-79 odd
- 1.6 1-67 odd, 79-87 odd
- 1.7 1-111 odd
- 1.8 1-89 odd

Chapter 1 Review/ Test as needed

- 2.1 1-69 odd
- 2.2 1,3,5,13 17-27 odd, 33-39 odd, 43-47 odd, 51, 53,55
- 2.3 1-13 odd, 17-27 odd, 31,35, 37,41, 43, 45,55,56,67-72
- 2.4 1-75 odd; pg. 111 odd
- 2.5 1-15 odd, 21, 25, 27, 33, 39
- 2.6 15-27 odd, 63-67 odd
- 2.7 7,9,11,13,27,34
- 2.8 1-9 odd, 11-47 eoo

Chapter 2 Review/Test as needed

- 3.1 1-15 odd, 23-41 eoo
- 3.2 1-41 odd
- 3.3 1-55 odd
- 3.4 1-57 odd
- 3.5 1-23 odd, 27-57 eoo
- 3.6 1-49 odd

Chapter 3 Review/Test as needed

- 4.1 1-5 odd, 9-19 odd
- 4.2 1-31 odd
- 4.3 1-45 odd
- 4.4 11, 13, 20, 23, 25, 27, 29, 35, 38

Chapter 4 Review/Test as needed

- 5.1 1-95 odd
- 5.2 17-45 odd, 61-81 eoo, 95-101 odd
- 5.3 1-15 odd, 19-25 odd, 35-47 odd, 51-61 odd
- 5.4 1-77 odd, 99, 101
- 5.5 1-71 odd
- 5.6 1-53 eoo

Chapter 5 Review Test as needed

- 8.1 1-63 odd

- 6.1 1-71 odd
- 6.2 1-61 eoo
- 6.3 1-8, 11-31 odd, 37, 39, 41, 45, 51-57 odd
- 6.4 1-71 eoo, 79-86
- 6.5 1-95 eoo

Pages 384-385 odd

- 6.6 13, 15, 21, 23, 27

Chapter 6 Review/Test as needed