

SYLLABUS

MAT095 – ELEMENTARY ALGEBRA FOUNDATIONS

CRN 30419

Monday and Wednesday, 12:30 p.m. – 1:50 p.m., Room 308, Mohegan Campus
Three Rivers Community College, 7 Mahan Drive, Norwich, Connecticut 06360

INSTRUCTOR INFORMATION

Mrs. Mary Anne Stewart, Adjunct Instructor

OFFICE HOURS: Mon. & Wed. 9:00 – 9:25 a.m. and 11:00 a.m. – 12:20 p.m., Adjunct Office

VOICE MAIL: (860) 886-0177, ext. 2114

E_MAIL: mstewart@trcc.commnet.edu

WebCT MAIL: Log on to <http://vista.ctdlc.org>, select this course, use the “Mail” feature

COURSE DESCRIPTION

This course extends the basic algebra skills acquired in MAT075, Prealgebra. 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 MAT075 with a “C#” grade or better. A thorough knowledge of basic math skills is needed for this course.

REQUIRED TEXT

Beginning Algebra, 4th ed., Martin-Gay, ©2005 Pearson Education, Inc., ISBN 0-13-144444-1 (student)

SUPPLIES

- One (1) three-ring notebook and tabbed dividers or similar to create sections in your notebook
- Pencils and erasers
- Paper for homework and taking notes in class
- One 6” or 12” ruler
- NO calculators

ASSIGNMENTS

Students are expected to work on assignments (homework) regularly and to seek assistance if the problems are not understood. All work should be kept in a notebook which is to be available for review upon request by the instructor.

COURSE CONTENT and OUTCOMES

See attached sheet.

COURSE OUTLINE, SCHEDULE, ASSIGNMENTS, and DUE DATES

See attached PINK sheets. Place these at the front of your notebook and refer to them for each class.

DISABILITIES STATEMENT

Students with hidden or visible disabilities who may require special accommodations and support services are encouraged to notify the instructor and Chris Scarborough, (860) 892-5751, who is coordinating services to students with disabilities, during the first two weeks of class.

METHOD OF EVALUATION

- 3 TESTS: Maximum of 100 points per test. Each student will be allowed to make-up one test on the scheduled “make-up test” day near the end of the semester. The student’s final exam grade will be used in place of any missed tests.
- QUIZZES: The sum of all quiz grades, a maximum of 106 points, will count as a 4th test grade. Quizzes will not be accepted after the applicable test date.
- FINAL EXAM: The final exam is mandatory and cumulative, chapters 1 through 6. The final exam will be given on the scheduled date. No make-up, no re-take. Maximum of 100 points on the final exam.
- GRADE for the COURSE: The student’s grade for the course will be calculated as follows: 75% of the arithmetic average of the 4 test grades plus 25% of the final exam grade.

GRADING SYSTEM

These letter grades and corresponding numerical grades will be used for tests, final exam, and course grade: A (94–100), A– (90–93), B+ (87–89), B (83–86), B– (80–82), C+ (77–79), C (73–76), C– (70–72), D+ (67–69), D (63–66), D– (60–62), F (below 60)

ATTENDANCE

Students are expected to attend all classes, to arrive for class on time, and to remain for the duration of the class meeting. It is the student’s responsibility to request any missed work, assignments, or materials **before** the next class. Students who are consistently tardy, leave class early, and/or walk in and out of class are a distraction to the instructor and the other students. This results in a disruption of the class and the learning process. (See “Student Behavior.”)

RULES of CONDUCT in CLASS

- **No food or beverages in the classroom.**
- **Electronic/digital devices:** Cell phones, beepers and similar devices are allowed in class if they are turned off or turned to a silent mode. These devices are NOT to be used in class. When there are extenuating circumstances that require a student be available by such a device, the student must speak to the instructor prior to class, so that together they can arrive at an agreement.
- **Student Behavior:** *“The College has the right and responsibility to take appropriate action when a student’s conduct directly and significantly interferes with the College’s educational mission and the rights of others to pursue their educational objectives in an environment conducive to learning.”* - from the TRCC Student Handbook
Such action will, at minimum, be the removal of the student from the remainder of that day’s class and any graded work from that day will be graded zero, F, with no possibility to make-up that work.

ACADEMIC INTEGRITY POLICY

Each student is expected to demonstrate his/her knowledge of the subject matter on each test and the final exam. If a student is caught cheating on a test or the final exam, he/she will receive a grade of zero, F, and will not be allowed to make-up that test or final exam.

COLLEGE WITHDRAWAL POLICY

Dec. 3 Last day to withdraw from classes (Withdraw at the Registrar’s Office)

CLASS CANCELLATION POLICY

If class is cancelled by the school, pay attention to radio and TV announcements, call the college’s main phone number 860-886-0177, or visit the college’s home web page www.trcc.commnet.edu.

If class is cancelled by the instructor, a notice will be placed on the classroom door. If time permits, students may be notified by a message on the instructor’s voice mail, by email, or by phone.

COURSE CONTENT AND OUTCOMES

CHAPTER 1: Review of Real Numbers

Upon completion, student must be able to:

1. Evaluate variable expressions and equations,
2. Add, subtract, multiply, and divide real numbers,
3. Understand properties of real numbers, and
4. Read graphs.

CHAPTER 2: Equations, Inequalities, and Problem Solving

Upon completion, student must be able to:

1. Simplify algebraic expressions,
2. Apply the addition and multiplication properties of equality,
3. Solve linear equations,
4. Begin problem solving,
5. Work with formulas and problem solving, and
6. Solve linear inequalities.

CHAPTER 3: Graphing

Upon completion, student must be able to:

1. Understand the rectangular coordinate system,
2. Graph linear equations,
3. Plot intercepts,
4. Determine slope and rate of change, and
5. Understand and apply slope-intercept form and point-slope form.

CHAPTER 4: Solving Systems of Linear Equations and Inequalities

Upon completion, student must be able to:

1. Solve systems of linear equations by graphing, substitution, and addition. and
2. Use systems of linear equations to solve problems.

CHAPTER 5: Exponents and Polynomials

Upon completion, student must be able to:

1. Evaluate exponential expressions,
2. Add, subtract, multiply, and divide polynomials, and
3. Work with special products, negative exponents, and scientific notation.

CHAPTER 6: Rational Expressions

Upon completion, student must be able to:

1. Use and apply the greatest common factor and factor by grouping,
2. Factor trinomials and binomials,
3. Solve quadratic equations by factoring, and
4. Solve problems.

CHAPTER 8: Roots and Radicals

Upon completion, student must be able to:

1. Define and simplify radicals, and
2. Add, subtract, multiply, and divide radicals.
3. Rationalize denominators.