TEXT:Elementary and Intermediate Algebra, 5th edition by Baratto and Bergman<br/>ALEKS access: XC6L9-6RAQG

COURSE

DESCRIPTION: THIS ELEMENTARY ALGEBRA DEVELOPMENTAL COURSE PREPARES STUDENTS FOR COLLEGE LEVEL COURSES. DESIGNED TO BUILD UNDERSTANDING AND SKILLS IN ALGEBRA, IT ALSO PROVIDES EMBEDDED PRE-ALGEBRA SUPPORT. THE COURSE DEVELOPS UNDERSTANDING OF NUMBER SYSTEM, DIFFERENT REPRESENTATIONS OF NUMBERS, OPERATIONS ON NUMBERS, INCLUDING NUMBERS EXPRESSED IN SCIENTIFIC NOTATION. THE COURSE INTRODUCES FUNCTIONS, THEIR GRAPHS, MODELING RELATIONSHIP BETWEEN QUANTITIES USING FUNCTIONS. TOPICS ALSO INCLUDE SOLVING EQUATIONS AND EXPRESSIONS WITH INTEGER EXPONENTS, RADICALS, SOLVING, ANALYZING AND MODELING LINEAR EQUATIONS, SYSTEMS OF LINEAR EQUATIONS. PYTHAGOREAN THEOREM AND GEOMETRICAL FORMULAS ARE USED TO SOLVE REAL WORLD PROBLEMS.

| MEASUREMENTS: | 2 tests     | 100 points each | 200 |
|---------------|-------------|-----------------|-----|
|               | 4 quizzes   | 25 points each  | 100 |
|               | ALEKS       | see below       | 100 |
|               | Assignments |                 | 300 |
|               | Final exam  | 100 points      | 100 |

Final grade = (total points earned/800) \*100

Grade equivalents: A 93 - 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, N if the student completed less than 60% of work.

- Attendance: Your attendance in the classroom during both class and lab time, participation in classroom work/projects and preparation for each class is required and is essential to success in the course. If you are unable to attend, then I expect you to email me before if possible but afterwards at the very least. This is for your protection. If something happens then you will have written documentation. There will be no makeups for tests, quizzes and written homework assignments. If you are not in class on these days or do not complete them in time then you will get a 0. If an unusual circumstance arises and you provide adequate documentation then I will consider allowing a makeup.
- ALEKS: In this course, students will use an online educational program titled ALEKS 360 (Assessment and LEarning in Knowledge Spaces). This program can be used on any computer with Internet access. An access code for ALEKS 360 is required and may be purchased at the bookstore or online at www.aleks.com. In ALEKS students are expected to complete six (6) Intermediate Objectives. Completion of each Intermediate Objective by its specified due date is worth a total of 100 points (15 points per Intermediate Objective and 10 for overall mastery). Check the calendar in ALEKS for all Intermediate Objective due dates.

Office Hours: Mondays 3:00 – 4:00 pm

Tuesdays 1:00 – 2:00 pm Wednesdays 10:00 – 11:00 am Thursdays 11:00 – 12:00 noon or by appointment in C206 **Email** egodwin@trcc.commnet.edu , Phone (860) 215-9452

Class Cancellation: In case of inclement weather, check the college website for class cancellations or call 860-215-9000 for recorded message on the college phone. If for some reason, I need to cancel class I will post an announcement in Blackboard. You should set up your school email so that it will forward to your personal email so you can receive these notifications in a timely manner.

MyCommNet Alert: MyCommNet is a system that sends text messages and emails to anyone signed up in the event of a campus emergency. Additionally, TRCC sends messages when the college is delayed or closed due to weather. All students are encouraged to sign up for myCommNet Alert. A tutorial is available on the Educational Technology and Distance Learning Students page of the web site. http://www.trcc.commnet.edu/div\_it/educationaltechnology/Tutorials/myCommNet Alert/MIR3.html

#### **Plagiarism and Academic**

Honesty:

At TRCC, we expect the highest standards of academic honesty. The Board of Trustees' Proscribed Conduct Policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism.

#### Disabilities

If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide written authorization from a DSP.

| College Disabilities Service Provider                     |  |  |
|---|--|--|
|   |  |  |
| Matt Liscum, Counselor<br>(860) 215-9265<br>Room A113     | <ul> <li>Learning Disabilities</li> <li>ADD/ADHD</li> <li>Autism Spectrum</li> <li>Mental Health Disabilities</li> </ul> |  |
| Elizabeth Willcox, Advisor<br>(860) 215-9289<br>Room A113 | <ul> <li>Medical Disabilities</li> <li>Mobility Disabilities</li> <li>Sensory Disability</li> </ul>                      |  |

#### BOARD OF REGENTS FOR HIGHTER EDUCATION AND CONNECTICUT STATE COLLEGES AND UNIVERSITIES POLICY REGARDING SEXUAL MISCONDUCT REPORTING, SUPPORT SERVICES AND PROCESSES POLICY

# Statement of Policy for Public Act No. 14-11: An Act Concerning Sexual Assault, Stalking and Intimate Partner Violence on Campus:

"The Board of Regents for Higher Education (BOR) in conjunction with the Connecticut State Colleges and Universities (CSCU) is committed to insuring that each member of every BOR governed college and university community has the opportunity to participate fully in the process of education free from acts of sexual misconduct, intimate partner violence and stalking. It is the intent of the BOR and each of its colleges or universities to provide safety, privacy and support to victims of sexual misconduct and intimate partner violence."

# UNITED STATES DEPARTMENT OF EDUCATION AND OFFICE OF CIVIL RIGHTS TITLE IX STATEMENT OF POLICY:

"Title IX of the Education Amendments of 1972 (Title IX) prohibits discrimination based on sex in education programs and activities in federally funded schools at all levels. If any part of a school district or college receives any Federal funds for any purpose, all of the operations of the district or college are covered by Title IX.

Title IX protects students, employees, applicants for admission and employment, and other persons from all forms of sex discrimination, including discrimination based on gender identity or failure to conform to stereotypical notions of masculinity or femininity. All students (as well as other persons) at recipient institutions are protected by Title IX – regardless of their sex, sexual orientation, gender identity, part-or full-time status, disability, race, or national origin-in all aspects of a recipient's educational programs and activities."

If any student experiences sexual misconduct or harassment, and/or racial or ethnic discrimination on Three Rivers Community College Campus, or fears for their safety from a threat while on campus, please contact Edward A. Derr, the Diversity Officer and Title IX Coordinator:

Edward A. Derr Title IX Coordinator and Diversity Officer Admissions Welcome Center \* Office A116 574 New London Turnpike, Norwich CT 06360 860.215.9255 \* EDerr@trcc.commet.edu

| 0.1   | Review of fractions                             |
|-------|---|
| 0.2   | Real Numbers                                    |
| 0.3   | Adding and subtracting real numbers             |
| 0.4   | Functional and Order of Operations              |
| 0.5   | Exponents and Order of Operations               |
|       |   |
| 1.1   | Algebraic Expressions                           |
| 1.2   | Evaluating algebraic expressions                |
| 1.3   | Simplifying Algebraic Expressions               |
| 1.4   | Solving equations using addition property       |
| 1.5   | Solving equations using multiplication property |
| 1.0   | Combining the rules to solve equations          |
| 1.7   | Linear inequalities                             |
| Ch. 2 | <b>–</b> , , ,, ,,                              |
| 2.1   | Formulas and problem solving                    |
| 2.2   | Sets and set notation                           |
| 2.3   | I wo-variable equations                         |
| 2.4   | The Cartesian coordinate system                 |
| 2.5   | Relations and Functions                         |
| 2.6   | l ables and graphs                              |
| Ch. 3 | <b>_</b>  |
| 3.1   | Graphing linear Functions                       |
| 3.2   | The Slope of a line                             |
| 3.3   | Linear equations                                |
| Ch. 4 |   |
| 4.1   | Systems of Linear equations                     |
| 4.2   | Solving systems in one variable graphically     |
| 4.3   | Solving systems in 2 Variables                  |
| Ch. 5 |   |
| 5.1   | Positive Integer Exponents                      |
| 5.2   | Integer Exponents and Scientific notation       |
| 5.3   | An introduction to Polynomials                  |
| 5.4   | Adding and subtracting Polynomials              |
| 5.5   | Multiplying Polynomials                         |
| 5.6   | Dividing Polynomials                            |
| Ch.7  |   |
| 7.1   | Roots, radicals, Pythagorean Theorem            |