# SYLLABUS – MAT172 College Algebra – Spring 2017

**COURSE INFORMATION**

- CRN **13396**, section **T7**
- CLASS MEETS: **Monday** and **Wednesday, 3:00 p.m. – 4:15 p.m.,** classroom **D215**

**THREE RIVERS COMMUNITY COLLEGE**

- ADDRESS: 574 New London Turnpike, Norwich, CT 06360
- MAIN PHONE NUMBER: 860-915-2000
- WEB SITE: www.trcc.commnet.edu

**MRS. STEWART, Adjunct Instructor**

- E-MAIL / HELP: mstewart@trcc.commnet.edu
- OFFICE HOURS / HELP: **Mon. and Wed. from 2:30 – 2:55 p.m. and after class until 4:45 p.m.,** in the Adjunct Faculty Office D205(W)

**COURSE DESCRIPTION**

3 CREDIT HOURS

PREREQUISITES: MAT* K137 or MAT* K137S with a "C" grade or better or appropriate placement through multiple-measures assessment process.

This course is a thorough and rigorous algebra course that strengthens the understanding of functions, their properties, multiple representations, and operations with functions. The function families studied include: polynomial, exponential, logarithmic, rational, and radical functions. Students will also learn linear and quadratic inequalities, absolute value equations and inequalities, linear and nonlinear systems.

**SUPPLIES**

- One (1) three-ring notebook (binder).
- Paper for note-taking and for assignments.
- Graph paper *(Free graph paper at www.mathbits.com)*
- Pencils and erasers. Highlighters or color pencils are helpful for note-taking.
  Pens and red writing implements are NOT allowed on the graded assignments: quizzes, projects, and the final exam.
- Graphing calculator. Calculators associated with any type of communications device can not be used on in-class quizzes or the final exam.

**TEXTBOOK**

*Precalculus: Graphs & Models*, 1st Ed., Coburn & Herdlick, McGraw Hill, 2012. ISBN 9780073519531.

**COLLEGE WITHDRAWAL POLICY**

**Friday, May 4, 2018** Last day to withdraw from classes. Withdraw at the Registrar's Office.

**METHOD OF EVALUATION and GRADING SYSTEM**

- **QUIZZES** (highest 10 out of 12 quiz grades) ..... **60% of course grade**

  *Quizzes will be given at the beginning of class each **Monday** commencing on **Jan. 29**.*
  *Each quiz will be based on several homework problems from the previous week.*
  *No makeups. No retakes. If a student arrives late, the quiz can not be made up.*

- **PROJECTS** ..... **15% of course grade**

  *Students will be assigned several projects this semester. Instructions and grading schemes will be provided when each project is assigned.*
  *Students should work in groups of two or three.*
  *Ten (10) points will be deducted on any project handed in late.*

- **NOTEBOOK (BINDER), HOMEWORK ASSIGNMENTS**..... **5% of course grade**

  *Keep all course materials – notes, handouts, quizzes, projects, etc. - in your three-ring notebook.*
  *It is expected that students will spend 2–3 hours of reading, studying, and working on homework assignments for this class for every hour we meet in class. Students should spend at least 6–9 hours per week on this class, outside of class meetings. Students will be required to meet individually with Mrs. Stewart at least 2 or 3 times this semester, outside of class time, to review of the student's progress in the class as well as the students work on the homework assignments and notebook.*

- **ATTENDANCE**

  *Students should attend all classes, arrive on time, and remain for the duration of the class meeting. Assignments will be handed out each week to the class on **GRAY** paper. If a student misses a class, the student should refer to these assignment sheets which will also be posted as announcements on BlackBoard. It is the student's responsibility to request any missed work or assignments before the next class. After the first week, students who arrive late for class will wait outside the classroom and will be seated in the classroom at the discretion of the instructor. Students who regularly arrive late, leave class early, or walk in and out of class cause a distraction which results in a disruption of the class environment and the learning process.*

- **FINAL EXAM – Wednesday, May 9, 2018** ..... **20% of course grade**

  *The final exam is **required**, **cumulative**, and **mandatory**.*
  *The final exam will only be given on this date at this time.*
  ***No** makeup. **No** retake.*

- **Your numeric grade for the course and for all graded work will correspond to the letter grades:**

  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), and UF is a grade notation that is entered by the faculty with a date of last participation, which immediately converts to a grade of "F" and appears as such on the student's transcript.

**ACADEMIC DISHONESTY (CHEATING) POLICY**

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.

The quizzes and final exam demonstrate your knowledge of the subject matter.

Communication or collaboration of ANY sort is ABSOLUTEY PROHIBITED during any test and in-class quiz or the final exam.

Calculators associated with any type of communications device are prohibited during in-class quizzes an the final exam.

Academic misconduct is punishable in a number of ways, including a score of a zero on the quiz or final exam where the cheating took place, a grade of an F in the course and/or possible censure on your permanent record.

All cases of academic dishonesty will be referred to the Academic Dean. Do not let yourself come under the suspicion of academic dishonesty.)

**FREE TUTORING at TASC (Tutoring and Academic Success Center)**

- TASC is located in room C-117, next to the Library/Learning Resource Center.
- TASC Phone: 860-215-9082
- TASC Email: TASC@trcc.commnet.edu
- Weekly appointments or walk-in help as available.
- Computer Lab, videos, textbooks and more!

**COURSE OUTCOMES** (from the TRCC Math Department)

1) Define absolute value, find distances on the number line and the coordinate plane.
2) Simplify expressions with rational exponents, write them in radical form, simplify, combine and rationalize radical expressions.
3) Solve linear and quadratic inequalities, absolute value equations and inequalities, express answers in interval form.
4) Perform operations on complex numbers, conjugates, represent complex numbers graphically.
5) Perform operations on radical expressions, rational exponents, solve radical equations.
6) Find the domain and range of functions, combine functions, identify even and odd functions, graph piece-wise functions, find composition of functions, inverse and transforms of functions.
7) Find the characteristics of polynomial functions, solve polynomial equations, find zeros (roots) and x-intercepts of polynomials, apply the Fundamental Theorem of Algebra, The Remainder Theorem, The Factor Theorem, analyze end behavior.
8) Graph rational functions, find vertical, horizontal and slant asymptotes.
9) Graph exponential and logarithmic functions, use properties of exponents and logarithms, solve exponential and logarithmic equations.
10) Solve systems of linear equations in several variables

**ACCOMMODATIONS**

Students with learning disabilities should contact the Learning Specialist, Matt Liscum, at 860-215-9265 or via email at mliscum@trcc.commnet.edu as soon as possible to ensure timely accommodations. Students with physical disabilities should contact Elizabeth Willcox at 860-215-9289 or via email at ewillcox@trcc.commnet.edu to facilitate accommodations. All testing accommodations MUST be discussed with the instructor in a timely manner, that is, *at least* one to two class meetings **prior** to any scheduled test for which accommodations are needed.

**CLASSROOM POLICIES**

- Show respect for each person.
- Silence/ turn off and put away all cell phones, iPads, laptops, or similar. Do not use these devices during class. If there are extenuating circumstances which require a student to access their cell phone, the student is to send an email to the instructor briefly explaining the situation. The instructor will advise the student on acceptable arrangements.
- Audio and/or visual recordings are not permitted in the classroom.
- NO TALKING. Do not talk (disrupt) the instructor or your classmates. Excepetion: any emergency situation.
- No food in classroom. Beverages allowed.
- Students are to work on MAT172 only during class.
- Only students registered for this course may be in the classroom. Do not bring anyone, including pets, into the classroom.
- Students who do not comply with these policies will be given one warning. If the student continues to violate these policies or any other policies of TRCC, the student will, at minimum, be dismissed from class. All issues regarding student conduct will be referred to the Dean of Students, Campus Security, and the Chair of the Mathematics Department.

**CLASS or SCHOOL CANCELLATION POLICY**

In the event of cancellation of class, an assignment will be emailed and/or posted to BlackBoard.

- If class is cancelled by Mrs. Stewart: A notice will be placed on the classroom door. If time permits, students may be notified by e-mail and/or an announcement in Blackboard.
- If class is cancelled by TRCC: Announcements on local radio and Conn. TV stations, the TRCC web site www.trcc.commnet.edu., or call the college's main phone number 860-915-2000.

**DIGICATION**

All students are required to maintain an online learning portfolio in Digication that uses the Three Rivers College Template.

**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."

**U.S. 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 Vicki Baker, the Diversity Officer and Title IX Coordinator: 860-215-9208 (vbaker@trcc.commnet.edu)

**DISCLAIMER**

The instructor has the right to change/modify this syllabus at any time. Notification will occur by any or all of these methods: revised syllabus or schedule, announcement in class, email from the instructor, announcement posted on Blackboard.

**ACCEPTANCE**

Your choice to remain registered for this course implies your acceptance of this syllabus and all its policies and consequences as outlined. It is the student's responsibility to read this entire syllabus and to ask questions if anything in this syllabus is not understood. If you do not agree with any of the terms in the syllabus, you are free to withdraw from this course.