# SYLLABUS – MAT137S Intermediate Algebra (Embedded) – Fall 2018

### COURSE INFORMATION:

### CRN 32293, section T1

* **Monday** and **Wednesday, 1:30 – 2:45 p.m.,** classroom **D221
Wednesday, 3:00 – 3:50 p.m.,** computer lab **D219**

**THREE RIVERS COMMUNITY COLLEGE**

* 574 New London Turnpike, Norwich, CT 06360
* 860-915-2000 (main phone number)
* www.trcc.commnet.edu

### MRS. STEWART, Adjunct Instructor

* E-MAIL / HELP: **mstewart@trcc.commnet.edu**
* OFFICE HOURS / HELP: **Mon. and Wed. from 9:00 – 9:20 a.m. and 11:00 a.m. – 1:20 p.m.,**
 in the Adjunct Faculty OfficeD205(W)

### COURSE DESCRIPTION

4 Credit Hours

This course cultivates understanding and different representations of functions. The course covers linear, quadratic, exponential, rational, radical functions, equations and expressions and operations on them with emphasis on modeling and solving real world problems.

**Prerequisite** for **THIS** course: MAT095 or MAT095I with a C- grade or higher or MAT090 with a P or appropriate placement through multiple-measures assessment process.

**Prerequisite** for **NEXT** course: Grade of C or higher in MAT137 or MAT137S.

### SUPPLIES

• One (1) three-ring notebook.

• 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. (TI-83 and TI-84 graphing calculators are used in higher level courses.)
Calculators associated with any type of communications device can not be used on in-class quizzes or the final exam.

### COLLEGE WITHDRAWAL POLICY

**Sun., Dec. 9** Last day to withdraw from classes – online. **(Fri., Dec. 7 in person)**

### TEXTBOOK

* Students are required to use an online educational program **ALEKS 360** (Assessment and Learning in Knowledge Spaces). This program can be used on any computer or hand-held device with Internet access.
* An access code for ALEKS 360 is required. When you purchase ALEKS 360, you will receive access to the e-textbook titled Elementary & Intermediate Algebra, 5th edition, by Baratto, ©2014**, published by** McGraw-Hill. You do not have to purchase the actual printed textbook.

**SELECT ONE of the following:**

1) ISBN 9780077843038 Elementary & Intermediate Algebra ALEKS 360 18 week Access Code, ALEKS 360 code (includes e-textbook) gives access for the semester

 You may choose to purchase a black-and-white print version of the textbook:
ISBN 9780073384467 Elementary and Intermediate Algebra Edition: 5th (TEXT ONLY, print version), but this is NOT required.

2) ISBN 9781259343728 Elementary & Intermediate Algebra (with ALEKS 360, 52 week Access Code), Combo package, print version text, ALEKS 360 (includes ebook) gives access to ALEKS for 52 weeks.

3) ISBN 9780077843052 Elementary & Intermediate Algebra (ALEKS 360 52 week Access Code), Standalone ALEKS 360 code (includes ebook) gives access to ALEKS for 52 weeks.

**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!

### 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 as soon as possible before testing beigns.

### METHOD OF EVALUATION and GRADING SYSTEM

* **TESTS** – Three (3) in-class cumulative tests **Each test is 15% of course grade.**

 *No makeups or retakes. If a test is missed, the student’s grade
on the next cumulative test or the final exam will be used for the missed test.*

* **ALEKS pie**  **20% of course grade**

*ALEKS grade for the course will be computed based on the maximum number of topics learned as of Monday, Dec. 10, 2018 at 1:30 p.m. in proportion to the total topics in the pie.
Students typically spend 2–3 hours of reading, studying, and working on assignments for every hour we meet in class. Students should work in ALEKS approximately 8–12 hours per week.*

* **PROJECTS**  **10% of course grade**

 *Projects will be assigned throughout the semester and will be worked on and completed during computer lab times only. Missed projects cannot be made up or redone.*

* **NOTEBOOK, HOMEWORK ASSIGNMENTS, ATTENDANCE** **5% of course grade**
* *Keep all course materials – notes, handouts, tests, projects, etc. - in your notebook.*
* *Students should attend all classes and computer labs, arrive on time, and remain for the duration of the class or lab meeting.*
* *After the first week, students who arrive late for class or lab will wait outside the classroom or lab and will be seated in the classroom or lab at the discretion of the instructor. Students who regularly arrive late, leave early, or walk in and out cause a distraction which results in a disruption of the learning environment and process.*
* *Students will be required to meet individually with Mrs. Stewart at least 2 or 3 times this semester, outside of class time, to review the student’s progress in the class, homework assignments, and notebook.*
* **FINAL EXAM – Mon., Dec. 10, 2018 at 1:30 p.m.**  **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.*

*Reserve Wed., Dec. 12 in the event that class is cancelled on Mon., Dec. 10.*

* **Your numeric grades for the course, projects, tests, and final will correspond to 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 tests and final exam demonstrate your knowledge of the subject matter. Communication or collaboration of ANY type is ABSOLUTEY PROHIBITED during tests and the final exam.

Calculators associated with any type of communications device are prohibited during in-class quizzes and 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.

### CLASSROOM and COMPUTER LAB POLICIES

* Be respectful of each person.
* Silence/turn off and put away all cell phones, iPads, laptops, or similar. Do not use these devices during class or computer lab. If there are extenuating circumstances which require a student to access their cell phone, the student is to send an email to the instructor to BRIEFLY explain the situation. The instructor will advise the student on acceptable arrangements.
* Recordings (audio, visual, etc.) using any method are not permitted in the classroom for any reason.
* NO TALKING. Exception: any emergency situation.
* Classroom: No food allowed. Beverages allowed.
Computer Lab D219: NO food, NO beverages. Keep them in your bag or outside D219.
* During class and computer lab, you are to work on MAT137S coursework only.
* Only students registered for this course may be in the classroom and computer lab. Do not bring anyone, including pets, into the classroom.
* Any student who does 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 and/or computer lab. 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 class is cancelled, check your email and/or BlackBoard for an assignment.

* If class is cancelled by Mrs. Stewart, you will typically be notified by an email, an announcement in BlackBoard, or a notice placed on the classroom door.
* Cancellations by TRCC are typically found on local radio and Conn. TV stations, www.trcc.commnet.edu., or 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 Maria Krug, the Diversity Officer and Title IX Coordinator: 860-215-9208, MKrug@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.

### MAT137 COURSE OUTCOMES (by TRCC Math Department)

At the completion of MAT137, the student will be able to do the following:

1. Provide multiple representations (e.g. words, symbols, graphs, tables) of linear functions by hand and using
2. Technology.
3. Determine identifying characteristics of linear functions.
4. Model and solve real world applications with linear functions and systems of equations.
5. Provide multiple representations of quadratic functions and expressions by hand and using technology.
6. Determine identifying characteristics of quadratic functions and expressions.
7. Evaluate, simplify, and perform operations on quadratic functions and expressions.
8. Solve quadratic equations algebraically (e.g. factoring, completing the square, and quadratic formula with rational solutions) and/or graphically.
9. Solve real world applications involving quadratic functions.
10. Provide multiple representations of simple rational functions and expressions by hand and using technology.
11. Determine identifying characteristics of rational functions and expressions.
12. Evaluate, simplify and perform operations on simple rational functions or expressions.
13. Solve simple rational equations algebraically and/or graphically.
14. Solve real world applications involving rational functions.
15. Provide multiple representations of simple radical functions and expressions by hand and using technology, with primary emphasis on square roots.
16. Determine identifying characteristics of radical functions and expressions.
17. Evaluate, simplify and perform operations on simple radical functions and expressions.
18. Solve simple radical equations algebraically and/or graphically.
19. Solve real world applications involving radical functions.
20. Identify imaginary numbers.
21. Provide multiple representations (e.g. tables, graphs, symbols) of exponential functions and expressions by hand and using technology.
22. Determine identifying characteristics of exponential functions and expressions.
23. Solve simple exponential equations algebraically and/or graphically.
24. Identify real world applications involving exponential functions and solve graphically.