

THREE RIVERS COMMUNITY COLLEGE
MAT137S T2 Intermediate Algebra Embedded Spring 2018

Professor: Susan L. Hawes

Class: Tuesday & Thursday 12:30-1:45 (Room D224) Thursday 2:00-2:50 (D219)

E-mail: shawes@trcc.commnet.edu

Text: Elementary & Intermediate Algebra, Baratto & Bergman, Fifth Edition

ALEKS CLASS CODE: QWVFA-394JD

ALEKS Financial Aid Code: CDBC9-3203F-F1A57-3E441 (two week access)

ALEKS Support: 714-619-7090 or www.aleks.com/support/contact_support

4 CREDIT HOURS

Prerequisite: [MAT K095](#) or [MAT* K095I](#) with a “C-#” or higher, or appropriate placement[∞] through multiple measures assessment process.*

This course represents the Intermediate Algebra instruction with embedded developmental support. The 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.

Measurements: HW/Objectives 20%, Quizzes 20%, Chapter Tests 40%, Cumulative Final Exam 20%

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

Support Services: Tutorial services in the TASC, ALEKS

Class expectations:

College expectation is that you are spending 2-3 hours doing homework for this class for every “academic” hour we meet in class. We meet 4 “academic” hours per week, therefore you should expect to spend at least 8 - 12 hours per week on this class, outside of class meetings, every week!

Class Cancellation: In case of increment weather, check the college website for class cancellations or call 860-886-0177 for recorded message. If I cancel class, there will be a Blackboard announcement.

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.

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.

Plagiarism and Academic Honesty:

Academic integrity is essential in all aspects of college coursework and learning. I have zero tolerance for academic dishonesty. It is expected that YOU complete all your assigned ALEKS work. Communication or collaboration of ANY sort is ABSOLUTELY PROHIBITED during any exam. Academic Misconduct is punishable in a number of ways, including a score of a zero on the assignment 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.)

Digication Requirement:

All students are required to maintain an online learning portfolio in Digication that uses the college template.

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.”

“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)

ACCEPTANCE POLICY: After reading this syllabus, choosing to stay registered for this course exemplifies your acceptance of the syllabus and all policies and consequences outlined in the syllabus. If you do not agree with any of the terms in the syllabus, you are free to withdraw.

Disclaimer

The instructor has the right to change/modify this syllabus at any time with proper notification to the class.

Course Requirements

Class Assignments:

- There are no make-ups and no late assignments allowed.
- Spend 8 – 12 hours doing ALEKS and CW each week.
- One hour of ALEKS daily
- Complete the ALEKS section that was taught in class BEFORE the next class

ALEKS: All online assignments are found at ALEKS.com. For ALL assignments, follow these directions:

- Take a sheet of paper out of your 3-ring binder
 - This allows you to flip your notes back-and-forth looking for rules/steps
 - Since math builds upon itself, you may have to refer to prior sections
- Have your binder with prior section notes in front of you
- Label Assignment (ex. HW 1.3)
 - sections are easily found for further study
- Write the problem from the computer in pen.
- Do the work/steps in pencil
- Follow the steps from your notes.
 - **Do not turn to the computer for help unless you have *extensively tried* to follow your notes.**
 - If you consistently can't follow your notes, then you need to **personalize** them *more* while doing earlier assignments
 - Write short notes to yourself, in your own words, as to how a problem goes from step-to-step.
 - Don't assume you will remember; it's easy to forget. Write it down.
- If you get an incorrect answer
 - Practice similar problems
 - Write a note to yourself *in a different color* as to how to do the problem correctly
 - Cross out incorrect problem so when studying you won't look at it.
- When finished, put the assignment back into your binder after the notes of the corresponding section.
- Use different sheets of paper for each section so you can put them where they belong in your binder.

Suggested Organization of Binder (for each lesson):

- Class Notes
- Class work (CW) – labeled with section
- Homework (HW) – labeled with section
- Quiz - after last section it covers
- Test - after last chapter it covers

Supplementary Tools & Resources:

- ALEKS
- Learning Center/TASC
 - Free tutoring!

Class Withdrawal

If you find it necessary to withdraw from the class, it's important you submit the correct paperwork with the Registrar's office. If you do not file the correct paper work and stop attending class before the 60% point, you will receive an N grade, as there is no basis for grading you.

MAT137S Course Outcomes

Chapter 6 Factoring

- 6.1 An introduction to Factoring
- 6.2 Factoring Special Products
- 6.3 Factoring: Trial and Error
- 6.4 Factoring: The ac method
- 6.5 Factoring Strategies
- 6.6 Factoring and Problem Solving

Chapter 7 Radicals and Exponents

- 7.1 Roots and Radicals
- 7.2 Simplifying Radical Expressions
- 7.3 Operations on Radicals
- 7.4 Solving Radical Equations
- 7.5 Rational Exponents
- 7.6 Complex Numbers

Chapter 8 Quadratic Functions

- 8.1 Solving Quadratic Equations
- 8.2 The Quadratic Formula
- 8.3 An Introduction to Parabolas
- 8.4 Quadratic Equations and Problem Solving

Chapter 9 Rational Expressions

- 9.1 Simplifying Rational Expressions
- 9.2 Multiplying and Dividing Rational Expressions
- 9.3 Adding and Subtracting Rational Expressions
- 9.6 Rational Equations and Problem Solving

Chapter 10 Exponential and Logarithmic Functions

- 10.4 Exponential Functions