

SYLLABUS

Math 137 (Intermediate Algebra) Instructor: Cheryl Hanselman
Fall 2010 (#30151) Home Phone: 860-887-5896
Thursdays 6:30-9:15 E-mail address: chanselman@trcc.commnet.edu

COURSE DESCRIPTION

This course continues the development of algebraic skills and concepts. The topics include: linear equations, functions, applications of systems of equations, inequalities, rational expressions and equations, operations on radicals and rational exponents, quadratic equations, exponential and logarithmic functions, and basic right triangle trigonometry. A graphing calculator is required.

PREREQUISITES

Acceptable placement score or MATH 095 or its equivalent

TRANSFERABILITY

This course does not transfer to some colleges. Check with your future college for verification.

TEXTBOOK

Intermediate Algebra - Functions & Authentic Applications, 4th Ed. by Jay Lehmann

OTHER MATERIALS NEEDED

Graphing Calculator (TI-83 will be used by the instructor) and graph paper

ATTENDANCE

The student is expected to attend all classes. It is the experience of the instructor that there is a direct correlation between class attendance and a student's final grade.

ASSIGNMENTS

Suggested problems will be given for each chapter. The student is expected to complete the problems assigned. Homework will not be collected and will not be graded. However, it is important to note that students who do well in this class complete homework weekly. Please keep all homework attempted/completed in a notebook or binder. There will be time for homework questions before and after class.

EVALUATION/GRADING

There will be four in-class exams. On each of these tests you will use a graphing calculator. You will be required to show the steps that were shown in class for full credit. Students are expected to take the exams at the scheduled time. If an emergency arises and you miss an exam, you must contact me to make arrangements to take the test prior to the beginning of the next class. Failure to do so will result in a zero for that test.

If you require special test-taking accommodations you must notify me at the beginning of the semester so we can make the necessary arrangements.

Final grades are figured as follows:

A 94-100%	B 80-82%	D+ 67-69%
A- 90-93%	C+ 77-79%	D 63-66%
B+ 87-89%	C 73-76%	D- 60-62%
B 83-86%	C- 70-72%	F Below 60%

*Student attendance, participation, and homework completion will be taken into consideration for adjustments to the final average.

College Withdrawal Policy

Students may withdraw, in writing at the Registrar's Office, for any reason until the 10th week of classes. From the 11th week through the end of the 13th week, a student may withdraw with the instructor's written approval.

Disabilities/ Learning Differences Statement

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Counseling and Advising Center at 383-5217. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor. Your cooperation is appreciated.

Academic Integrity at Three Rivers

Academic Integrity is essential to a useful education. Failure to act with academic integrity severely limits a person's ability to succeed in the classroom and beyond. Furthermore, academic dishonesty erodes the integrity of every degree awarded by the College. In this class and in this course of your academic career, present only your own best work and act at all times with honor and integrity.

Tentative Course Schedule

8/26	Course preliminaries and brief review (1.1-1.5) Functions (1.6) Right Triangle Trigonometry (Handout)
9/2	***Bring Your Graphing Calculator*** Modeling with Linear Functions (2.1-2.3)
9/9	Complete/Review Linear Equations and Linear Functions (1.1-1.6) Complete/Review Modeling with Linear Functions (2.1-2.3) Complete/Review Right Triangle Trigonometry (Handouts)
9/16	<u>TEST</u> Chapter 1, Chapter 2(2.1-2.3), and Right Triangle Trigonometry
9/23	Systems of Linear Equations (3.1-3.3) Exponential Functions (4.1-4.5)
9/30	More Exponential Functions (4.1-4.5) Logarithmic Functions (5.2-5.6)
10/7	More Logarithmic Functions (5.2-5.6) Review Chapter 3(3.1-3.3), Chapter 4(4.1-4.5), and Chapter 5(5.2-5.6)
10/14	<u>TEST</u> (Chapters 3-5)
10/21	Polynomial Functions (6.1-6.6)
10/28	Quadratic Functions (7.1-7.3 and 7.5-7.7)
11/4	Review Chapters 6-7 Rational Functions (8.1-8.3)
11/11	NO CLASS - Veteran's Day
11/18	<u>TEST</u> (Chapters 6-7)
11/25	NO CLASS - Thanksgiving
12/2	Complete (8.1-8.3) Radical Functions (9.1, 9.2, 9.5)
12/9	Complete (9.1, 9.2, 9.5) Review Chapters 8 and 9
12/16	<u>TEST</u> (Chapters 8-9)
12/(17-20)	Class Makeup <u>if needed</u> (If a class is cancelled due to weather, it will be made up during this time period as indicated by the college calendar.)