

SYLLABUS

Math 137 (Intermediate Algebra) #11256

Thursday 6:30 - 9:15

Spring 2009

Instructor: Cheryl Hanselman

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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 - A Graphing Approach, 4th Ed. by Martin-Gay

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. There will be time for homework questions before and after class.

EVALUATION/GRADING

There will be two in-class exams and a final exam. On each of these tests you may use a calculator and one page of notes (8 ½ x 11 piece of paper-front and back). 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.

In addition to these in-class exams, there will be nine take-home quizzes. The best 7 of 9 quiz grades will be averaged for a quiz grade. No late quizzes will be accepted. They will be given out at the end of class and due at the beginning of the next class.

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:

20% Take Home Quiz Average

40% In-class Test Average

40% Final Exam

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%

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

1/22	Course preliminaries and review (1.5, 1.6, 1.8) Right Triangle Trigonometry (Handout)
1/29	Right Triangle Trigonometry (cont.) Graphs and Functions (2.1-2.5) (Short Intro to Graphing Calculator) CHAPTER 1 Take-Home Quiz Handed Out (Due 2/5)
2/5	More Graphs and Functions Equations and Inequalities (3.1 - 3.3) CHAPTER 2 Take-Home Quiz Handed Out (Due 2/12)
2/12	Systems of Equations (4.1 - 4.3) Exponents and Scientific Notation (5.1-5.2) CHAPTER 3 Take-Home Quiz Handed Out (Due 2/19)
2/19	Polynomials, Polynomial Functions (5.3 - 5.8) CHAPTER 4 Take-Home Quiz Handed Out (Due 2/26)
2/26	Rational Expressions (6.1-6.3) CHAPTER 5 Take-Home Quiz Handed Out (Due 3/5)
3/5	Rational Expressions (6.5, 6.6) <u>Review</u> Chapters 1-5
3/12	TEST (Chapters 1-5) CHAPTER 6 Take-Home Quiz Handed Out (Due 3/26)
3/19	*Spring Break*
3/26	Rational Exponents and Radicals (7.1-7.6) CHAPTER 7 Take-Home Quiz Handed Out (Due 4/16)
4/2	Quadratic Equations and Functions (8.1 - 8.3, 8.5, 8.6) CHAPTER 8 Take-Home Quiz Handed Out (Due 4/23)
4/9	*Reading Day OR Make-up Day*
4/16	Exponential and Logarithmic Functions (9.3 - 9.7) CHAPTER 9 Take-Home Quiz Handed Out (Due 4/23)
4/23	Exponential and Logarithmic Functions (continued) <u>Review</u> Chapters 6-9
4/30	TEST (Chapters 6-9)
5/7	<u>Review</u> Chapters 1-9
5/14	Final Exam (Chapters 1-9)