Intermediate Algebra Syllabus

MAT 137   CRN 10753   Spring 2008   Three Rivers Community College   Norwich, CT 06360
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Tues/Thurs 12:30-1:50   Thames Campus Room 223
Office Hours-By Appointment

Course Description
Through lecture and discussion of material, this course continues the development of algebraic concepts and skills.

Objectives
To give the student an understanding of and the ability to utilize the following: linear equations, functions and graphs, trigonometric functions, systems of linear equations, inequalities, rational expressions and equations, operations on radicals and rational exponents, quadratic equations, exponential and logarithmic functions.

Method of Evaluation
1) Tests
2) Quizzes/Assignments
3) Final Exam

Procedure
There will be discussion of homework and new material will be presented each class. Questions are encouraged. Students may be asked to share their knowledge of a topic with the class.

Attendance
Attendance is strongly encouraged.

Required Text
Intermediate Algebra; Martin-Gay: Upper Saddle River, NJ; Pearson Prentice Hall; 2005; 3rd edition. Note: Student will need a graphing calculator and graph paper.

Course Outline

Sections	Topics
1.5, 1.6 & 1.8	Algebraic Equations and Problem Solving
2.2, 2.5	Functions & Equations of Lines
Trigonometry Handout	Right triangle Trigonometry
3.2 & 3.3	Inequalities
4.1-4.3	Systems of Equations
5.1-5.8	Exponents, Polynomials and Polynomial Functions/Factoring
6.1-6.3, 6.6 & 6.7	Rational Expressions and Equations
7.1-7.3, 7.6 & 7.7	Rational Exponents, Radicals and Complex Numbers
8.1-8.3, 8.5 & 8.6	Quadratic Equations
9.3-9.7	Exponential and Logarithmic Functions

Course Evaluation

Tests will constitute 50% of the course grade, quizzes/assignments are worth 20% and the final exam is 30% of the course grade.

Grades	Equivalent	Quality Points
A	93-100	4.0
A-	90-92	3.7
B+	87-89	3.3
B	83-86	3.0
B-	80-82	2.7
C+	77-79	2.3
C	73-76	2.0
C-	70-72	1.7
D+	67-69	1.3
D	63-66	1.0
F	Below 63	0.0

Disabilities Statement

If you have a hidden or visible disability, which may require classroom or test-taking modifications, please see me as soon as possible so we may discuss options. If you have not done so, please contact Chris Scarboro, the disability counselor, at 823-2831.

College Withdrawal Policy

Students may withdraw, at the Registrar's Office, on or before April 29, 2008.

Resources

Free tutoring is available at the Tutoring and Academic Success Center (TASC). Videotapes and computer programs that follow the book are also available at TASC.