

Intermediate Algebra Syllabus

MAT 137 CRN 31243 Fall 2010 Three Rivers Community College Norwich, CT 06360
Max Wentworth, Instructor Email: mwentworth@trcc.commnet.edu Phone # (860) 456-1804
Tuesday/Thursday 11:00-12:15 Room D104 Office Hours: TBA

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: modeling, 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) 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; Jay Lehmann: Upper Saddle River, NJ; Pearson Prentice Hall; 2011; 4th edition.

Note: Student will need a graphing calculator and graph paper.

ALL CELL PHONE WILL BE SHUT OFF AND PUT AWAY DURING CLASS

Course Outline

Sections

1.6
2.1- 2.3
Trigonometry Handout
3.2 & 3.3
4.1-4.5
5.2-5.6
6.1- 6.6
7.1-7.3 & 7.5 - 7.7
8.1-8.3, 8.5 & 8.6
9.1, 9.2 & 9.5

Topics

Functions
Modeling with Linear Functions
Right triangle Trigonometry
Systems of Linear Equations
Exponential Functions
Logarithmic Functions
Polynomial Functions
Quadratic Functions
Rational Functions
Radical Functions

Course Evaluation

Tests will constitute 50% of the course grade, 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 Scarborough, the disability counselor, at (860) 892-5751.

College Withdrawal Policy

Students may withdraw, at the Registrar's Office, for any reason on or before Dec. 9, 2010.

Resources

Free tutoring is available at the Tutoring and Academic Success Center (TASC). Students may also use **My Math Lab** online tutorial. Course Code: **wentworth51696**