MATH 081   BEGINNING ALGEBRA   FALL 2012

OSCAR J. HERNANDEZ   ROOM: 2722 (CRN:10409)   T,R: 5:40-7:30 PM

Text/Author: INTRODUCTORY AND INTERMEDIATE ALGEBRA, Robert Blitzer

CHAPTER	CONTENT	TENTATIVE DATES	
ONE	Review of Chapter 1	08-21	SEC: 1.1-1.3
		08-23	SEC: 1.4-1.6
		08-28	SEC: 1.7
TWO	Linear Equations and Inequalities in one variable	08-30	SEC: 2.1-2.2
		09-04	SEC: 2.3-2.4
		09-06	SEC: 2.5-2.6
		09-11	SEC: 2.7
THREE	Linear Equations in Two Variables	09-13	SEC: 3.1-3.2
		09-18	SEC: 3.3-3.4
		09-20	SEC: 3.5
TEST # 1	**CHAPTERS 1-3**	**SEPT- 25- 2012**	
FOUR	Systems of Linear Equations	09-27	SEC: 4.1-4.2
		10-02	SEC: 4.3-4.4
FIVE	Exponents and Polynomials	10-04	SEC: 5.1-5.2
		10-09	SEC: 5.3-5.4
		10-11	SEC: 5.5-5.6
		10-16	SEC: 5.7
TEST # 2	**CHAPTERS 4-5**	**OCT- 18- 2012**	
SIX	Factoring Polynomials	10-23	SEC: 6.1-6.2
		10-25	SEC: 6.3-6.4
		10-30	SEC: 6.5-6.6
SEVEN	Rational Expressions	11-01	SEC: 7.1-7.2
		11-06	SEC: 7.3-7.4
		11-08	SEC: 7.5-7.6
		11-13	SEC: 7.7
TEST # 3	**CHAPTERS 6,7**	**NOV-15-2012**	
EIGHT	Introduction to Functions	11-20	SEC: 8.1
NINE	Inequalities and Problem Solving	11-27	SEC: 9.1-9.2
		11-29	SEC: 9.3-9.4
FINAL EXAM	**CHAPTERS 2-9**	**DEC-04-2012**	

Homework (MATHXL) will be assigned at every class meeting.

Attendance is mandatory and is also a factor towards the grade (Maximum 2 absences are allowed)

No Make-up tests will be given. No cell phones, eating and drinking, reading other than class materials.

General Information:

Instructor: Oscar J. Hernandez	Text/Author : Introductory and Intermediate Algebra, Robert Blitzer
e-mail: **oscar.hernandez@imperial.edu** Telephone: 760-355-5739/6739	Office hours: M,W: 9:30-10:00 AM M,W: 12:50-1:20 PM T,TH: 4:20-5:20 PM Room 2767-1
Class Days: T,R Time: 5:40-7:30 PM	Credit Units:4
Room 2722	Class code: 10409

Student Learning Outcome: Identify, compare, and contrast two articles that include both descriptive and inferential statistics on the same research topic.

Course / Catalog Description:
        An introduction to the concepts of Algebra. Topics covered include solving equations, polynomials, factoring, rational expressions, graphs and linear equations, systems of linear equations, and inequalities.

Course Objectives: Through various activities and assessments, during the semester students will:

1. Demonstrate skills in solving first degree equations.
2. Demonstrate the ability to solve many problems in diverse areas, in step-by-step manner, when dealing with applications.
3. Develop manipulation skills when operating polynomials.
4. Demonstrate the various types of factoring and be cognizant of the factoring process.
5. Demonstrate and understanding of skills in operations with and simplifications of rational expressions.
6. Demonstrate a visual understanding of the Cartesian Coordinate System and linear graphs

7. Demonstrate the ability to solve linear systems of equations both algebraically and graphically.
8. Demonstrate the ability to solve linear inequalities algebraically and be able to present the solutions graphically.

Student Learning Outcomes:
Upon course completion , the successful students will have acquired new skills, knowledge, and attitudes as demonstrated by being able to:
1. Solve linear equations in one variable
2. factor polynomial expressions using a variety of methods and solve polynomials equations.
3. Graph linear equations and find values related to linear graphs.
4. Solve application problems appropriate to beginning algebra.

Prerequisite: Math 070 with a grade of "C" or better.
              Math 071 with a grade of "C" or better or appropriate placement.

Recommended preparation.

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible.

DSP&S
Room 2117
Health Sciences Building
(760) 355-6312

Dropping: You may be dropped from this class if you miss the first day or if you miss three or more class sessions total. The last day to drop this class is **NOV-10-2012.** After that day, I must give you a letter grade. It is your responsibility to drop, not mine.

Grading: If the final exam score is greater than one of the tests, the lowest test score will be change with the final exam score.

Homework	50 points 15%
THREE TESTS (3)	100 points each , 60%
Final Exam	200 points , 25%
TOTAL POINTS	550 points

After all of your scores have been totaled, final grades will be assigned as follows:

90 % - 100 %	A
80 % - 89 %	B
70 % - 79 %	C
60 % - 69 %	D

BELOW 60 %   F