

COURSE: Math 127 Intermediate Algebra Spring 2010 CRN: 30502
Meeting days and times: T, Th 1:30 – 4:00 Room 3312

PREREQUISITE: Math 123, with a C or better, or the equivalent, or placement by exam.

COURSE DESCRIPTION: Welcome to Intermediate Algebra! This course is a continuation of Elementary Algebra; it uses and builds on all of the skills you learned in that course. The purpose of this course is to prepare you for a college-level course such as Precalculus, Trigonometry, Statistics or College Math for the Humanities, depending on your major and the university to which you transfer.

INSTRUCTOR: Peggy Wright Office: 3439 (Upstairs in the High Tech Building, behind the Computer Lab)
Office hours: Mon, Wed 11 - 12:30; Tues 1:00 – 1:30 and by appointment;
Math Lab hour: Friday 11 – 12:30
Phone: 546-3100 ext 2586; e-mail: pwright@cuesta.edu ; Webpage: www.wrightmath.info

REQUIRED COURSE MATERIALS:

Textbook: Introductory and Intermediate Algebra for College Students, 3rd edition; Robert Blitzer. **Please bring your textbook to class.** (Note: This book is used for both Math 123 and Math 127.) An optional Student's Solutions Manual is available in the bookstore. Both the textbook and the solutions manual are on reserve in the library (ask for them at the circulation desk).

Calculator: You will need a SCIENTIFIC CALCULATOR with a LOG button. You may **not** use a graphing calculator on any of the quizzes or exams. A word of advice: use your calculator as little as possible when doing the homework. By doing the arithmetic by hand and/or in your head, you'll build the skills necessary to be successful in algebra and higher math.

Pencil! All homework, quizzes and tests must be done in PENCIL ONLY!

HOMEWORK: Problems from the text will be given on the course webpage. You are expected to read the section, then do the assigned problems by the next class meeting. If you get stuck on a problem in the homework, you can ask about it the next day in class, and time permitting, we will go over it. If you get stuck on the entire assignment or even several of the problems, then you should get help outside of class RIGHT AWAY! Don't wait until right before the exam. Come to office hours, go to the math lab, consult another student, etc.

Homework will be collected on the day of each exam.

You are expected to "self-assess" meaning you will check your own answers, correct the problems as needed and score each assignment based on the number of problems completed (with correct answers) over the total number of problems assigned. I will spot check your assessment and if you've been accurate, that's great! However, if you give yourself credit for problems you haven't done, or haven't done correctly or haven't shown work for, then the entire assignment packet will receive a zero.

QUIZZES: We will have team quizzes at the end of every Thursday class and solo quizzes at the end of every Tuesday class (unless there's an exam on that day).

GRADING:	Tests (4)	400 points
	Final Exam (Cumulative)	200 points
	Homework	50 points
	Team/Individual Quizzes	50 points

Note: The percent score on the final will replace the lowest test score (including a missed exam), provided that you have done ALL of the homework for that exam.

The grade you earn in the course will be based on your overall percentage score, with the following percent ranges and grades: 90 – 100% A, 80 – 89% B, 70 – 79% C, 60 – 69% D, Below 60% F

FINAL EXAM DAY AND TIME: Tuesday, May 18 2:00 – 4:00 p.m.

POLICY ON MAKE-UPS:

EXAMS: No make-up exams will be given, except in the case of genuine emergency, in which case you must contact me **on or before the day of the test**. The score on all late exams will be reduced by 10 points.

QUIZZES: No early quizzes or make-up quizzes will be given but your 2 lowest scores will be dropped.

ATTENDANCE POLICY: If you miss any day during the first two weeks of class, I will drop you and add someone on the waiting list. If you have more than 2 absences during the semester, I may drop you. Leaving early counts as an absence. If you need to be absent for any reason, please contact me or leave a message. Please note: If you stop attending the course, it is your responsibility to "officially" drop! Don't assume the instructor will drop you, in any course!

POLICY ON CHEATING: If you are caught cheating on quizzes or exams, you will receive a zero on that quiz or exam and will be subject to academic discipline and possibly dismissal from the college.

STUDENTS WITH DISABILITIES

If you have a learning or physical disability and might need accommodations in this class, please contact *Disabled Student Program & Services* in Building 3300 as soon as possible to ensure that you receive the accommodations as soon as possible. I encourage you to come talk to me about any questions, concerns or needs that you have....I'd like to help!

Math 127 – Intermediate Algebra: Student Learning Outcomes

By the end of this course, the student will be able to:	
1.	Sketch, define, describe, and interpret the graphs of the following:
	• linear inequalities
	• quadratic functions
	• exponential functions
	• logarithmic functions
2.	Solve the following :
	• linear equations and inequalities
	• quadratic equations
	• absolute value equations and inequalities
	• rational equations
	• exponential equations
	• logarithmic equations
	• systems of linear equations
3.	Transform algebraic expressions into equivalent forms:
	• polynomials
	• powers of binomials
	• rational expressions
	• radical expressions
	• exponential expressions
	• logarithmic expressions
4.	Analyze functions:
	• combine functions
	• determine domain and range
	• find the inverse
5.	Correctly apply a mathematical model to solve a problem given in words
6.	Define and analyze general sequences and series