Math 137 Intermediate Algebra
Syllabus

COURSE K137, 11625 SECTION T14

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COURSE DESCRIPTION: This course extends the basic algebra skills acquired in MAT 095. The topics include: linear equations, functions, applications of systems of equations, rational expressions and equations, operations on radicals, rational exponents, quadratic equations exponential and logarithmic equations and basic right triangle trigonometry.

PREREQUISITE: Acceptable placement score or MAT K095

TRANSFERABILITY: This course is generally not transferable to four year colleges although some schools will accept it as an elective if they offer a similar course the skills in this course however are needed in all transferable mathematics courses.

TEXTBOOK: The required textbook for the course is *INTERMEDIATE ALGEBRA: Functions & Authentic Applications* **Fourth Addition** by Jay Lehmann. The supplementary Student Solution Manual is not required but is recommended if you expect to have difficulty with the course. Additional assistance can be received by using the self help software available on-line.

GRAPHING CALCULATOR: A graphing calculator is required in this course and will be integral to our work throughout the semester. I will be demonstrating techniques in class using a TI-83 model but any calculator with equivalent features would be acceptable. If you are unfamiliar with the operation of the graphing calculator it would be easier to have a model similar to the TI-83, as each calculator has different ways of accessing and displaying functions and graphs.

MY MATH LAB: For those who would like more help, you can access MYMATHLAB on the internet. Use the link www.coursecompass.com to get to the site **CourseCompass**. You will have to register using the access kit in your book, containing your six letter code. Once logged on go to **Int Algebra Spring 2011** and use **piccoli16036** to access the site. This site will provide homework assignments with examples and help problems to assist you.

ATTENDANCE: Attendance will be taken every class and those who attend class demonstrate that they are trying and will be given benefits accordingly. Tardiness is not acceptable, as it disrupts the rest of the class. If you are unable to make the class on time every day you should schedule a different class time. Cell phones should be turned off during class.

HOMEWORK: An assignment will be given at the end of each class. You are expected to have completed it by the next class. Solutions will be reviewed in class.

TESTS & QUIZES: There will be approximately six tests and several quizzes. Each quiz is worth 100 points. Each test is equivalent to two quizzes. .

MAKE-UP TESTS: If you miss a quiz or a test you must make it up by the next class. Failure to make up a quiz or a test will result in an "F" grade on that quiz or test.

GRADES: One quiz grade will be dropped. The rest of the grades will be weighted and averaged to give you your final grade.

OFFICE HOURS: The hour prior to class or by appointment.

TENTATIVE SCHEDULE:

COURSE OUTLINE:

Day	Sections	Assignments
T 1-23	Intro, 1.6	PG 48-50, 1-53 E4 (1, 5, 9, 13, 17 etc)
	2.1, 2.2	PG 63-66, 1-15 E2; PG 71-75, 1-27 E2 (odd)
T 1-30	Trigonometry 1	
	Trigonometry 2	PG 10-14, 2-30 E,
T 2-6	2.3, Quiz	PG 84-88, 1-97 E4,
	3.2, 3.3	PG 123-125, 1-95 E4; PG 129-132, 1-21 E2
T 2-13	Review	
	Test 1	
T 2-20	4.1, 4.2	PG 174-176, 1-126 E6; PG 182-184, 1-88 E4
	4.3, 4.4	PG 190-193, 1-98 E4; PG 198-200, 1-78 E4
T 2-27	4.5, Quiz	PG 207-213, 1-51 E4
	5.2, 5.3	PG 234-235, 1-88 E4; PG 241-243, 1-112 E6

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Syllabus

T 3-5	5.4, 5.5	PG 248-253, 1-40 E4; PG 258-260, 1-72 E4
	5.6	PG 265-266, 1-82 E4
T 3-12	Review	
	Test 2	
T 3-19		**SPRING BREAK**
T 3-26	6.1, 6.2	PG 282-284, 1-80 E4; PG 293-296, 1-118 E6
	6.3	PG 303-304, 1-80 E4
T 4-2	Quiz, 6.4	PG 310-311, 1-80 E4
	6.5, 6.6	PG 316, 1-90 E4, PG 326-330, 1-112 E6
T 4-9	Review, 7.1	PG 343-346, 1-77 E4;
	Test 3	
T 4-16	7.2, 7.3	PG 355-359, 1-80 E4, PG 368-370, 1-91 E6
	7.5, 7.6, 7.7	PG 385-387 1-90 E6, PG 394-395, 1-44 E4, PG 399-402, 1-14 odd,
T 4-23	Review, 8.1,	PG 430-432, 1-80 E4
	Test 4	
T 4-30	8.2, 8.3	PG 430-432, 1-80 E4, PG 437-439, 1-72 E4
	8.5, 8.6	PG 465-467, 1-72 E4, PG 475-479, 1-24 E4
T 5-7	91, 9.2	PG 508, 1-82 E4, PG 516-517, 1-72 E4
	9.5	PG 538-539, 1-71 E4
T 5-14	Review	
	Test 5	

syllabus K137