

# Math 137 Intermediate Algebra Syllabus

## COURSE K137S, 12861 SECTION T3

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**COURSE DESCRIPTION:** This course extends the basic algebra skills acquired in MAT 095. The topics include: graphing linear equations in two variables, functions, applications of systems of equations, factoring polynomials, rational expressions and equations, operations on radicals, rational exponents, quadratic equations exponential and logarithmic equations.

**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 **ELEMENTARY and INTERMEDIATE ALGEBRA: Fifth Edition** by Baratto and Bergman. This book was chosen because it was designed to be used with a resource program for individual assessment and learning called **ALEKS**. A package can be purchased that contains the electronic version of the book and the information necessary to link it with **ALEKS**. Each topic in the curriculum can be tied to lessons in the computer program.

**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.

**ALEKS:** This course has been designed to be supplemented by the new goal oriented math evaluation and tutoring program called ALEKS. You can access this program on the Internet. Use [www.aleks.com](http://www.aleks.com) to get to the site **for ALEKS registration**. The course Title is **MAT 137 INTERMEDIATE ALGEBRA – Spring 2015 MAT 137E T3/12861** and the course code is **YMTHW-YMW66**.

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## Syllabus

**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. There will be a lab with this course. You are expected to attend as you would any other 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. One test grade will be given to reflect your status on ALEKS. There may also be a standardized final.

**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.

**DIGICATION ACCOUNT:** All students are required to maintain a learning portfolio in Digication that uses the (Three Rivers) College Template. For further information contact Ronda Charette at [RCharette@trcc.commnet.edu](mailto:RCharette@trcc.commnet.edu) or visit her at D-209.

### TENTATIVE SCHEDULE:

### COURSE OUTLINE:

Day	Sections	Assignments
23- Jan	Intro, ALEKS	Get comfortable using ALEKS
26- Jan	6.1	PG 486, 1-81 E4 (1, 5, 9, 13, 17 etc)
28- Jan	6.2	PG 497, 1-57 E4
30- Jan	6.3	PG 507-508, 1-65 E4
2-Feb	Quiz	

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Day	Sections	Assignments
4-Feb	6.4	PG 517-518, 1-97 E4
6-Feb	6.5	PG 524-525, 1-81 E4
9-Feb	6.6	PG 537-539, 1-91 E5
11-Feb	Review	
13-Feb	Test 1	
16-Feb	7.1	PG 560-571, 1-73 E4
18-Feb	7.2	PG 573, 1-69 E4
20-Feb	7.3	PG 584-587, 1-32 Odd
23-Feb	7.3	PG 584-587, 33-89 E4
25-Feb	Quiz	
27-Feb	7.4,	PG 593-594, 1-49 E4
3-Mar	7.5,	PG 603-604, 1-69 E4
4-Mar	7.6	PG 620-621, Chapter Test
6-Mar	Review	
9-Mar	Test 2	
11-Mar	8.1	PG 633-635, 1-81 E4
13-Mar	8.2	PG 651-653, 1-73 E4
23-Mar	Quiz	
25-Mar	8.3	PG 665-666, 1-35 Odd
27-Mar	8.3	PG 666-667, 37-55 Odd
30-Mar	8.4	PG 678-679, 1-37 E4
1-Apr	Review	
3-Apr	Test 3	
6-Apr	9.1,	PG 699-700, 1-77 E4
8-Apr	9.2	PG 710-711, 1-45 E4
10-Apr	Quiz	
13-Apr	9.3	PG 721-723, 1-61 E5
15-Apr	9.6,	PG 762-763, 1-65 E4

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Day	Sections	Assignments
17-Apr	9.6	PG 763-765, 76-96 E5, PG 774 Chapter Test
20-Apr	Review	
22-Apr	Test 4	
24-Apr	10.1	PG 787-788, 1-40 E3
27-Apr	10.2	PG 798, 1-30 Odd
29-Apr	10.3	PG 808-810, 1-56 E4
1-May	Quiz	
4-May	10.4	PG 819-821, 1-59 E4
6-May	10.7,	PG 859-861, 1-57 E4
8-May	Review	
11-May	Test 5	
13-May	Review Part 1	
15-May	Review Part 2	
18-May	Final Part 1	
20- May	Final Part 2	