Instructor: **R. Jose Garcia**
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Office: **4-219**
Office Hours: **M/W/F**   **7:30am – 7:50am, 11:40am – 1:00pm**
               T/R   **10:30am – 11:20am, 1:15pm – 2:30pm**
Website: http://faculty.valenciacc.edu/rgarci12

Course Description

This course is based on the study of functions and their role in problem solving. Topics will include graphing and manipulation of many types of functions, including linear, quadratic, exponential, logarithmic, polynomial, rational, and inverse functions. Students will be required to solve applied problems and communicate their findings effectively. A minimum grade of C is required if MAC 1105 is used to satisfy Gordon Rule and general education requirements.

Text: College Algebra, 8th edition by Michael Sullivan. The ISBN is 0-13-225620-7.

MyMathLab: MML is an online program that contains lessons and problems. An Access Code is required to use this program. This Code comes with a new textbook or can be purchased separately. MML assignments are optional. To use MML, log in to WebCT (Blackboard) using your Atlas information, select this course, then enter your Access Code.

Calculator: TI-83/TI-84 or other graphing calculator is required for this course. You may use this calculator for all tests, however calculators may not be shared.

Tests

There will be four in-class tests. If you miss a test you will receive a zero score. No makeup test will be given.

Homework/MML

1. Textbook homework is not a direct part of your grade. However, test questions will be drawn from the assigned homework problems, so you will benefit by working these problems.

2. Each test has an associated homework assignment (the number of homework questions varies, but you have an unlimited number of attempts for each) available through MML. This homework is OPTIONAL, but if you do it your score may count as 30% of the associated Test grade. For example, if you score 90 on the Homework Assignment for Test 1 and 70 on the in class Test 1, then your overall Test 1 = .30*90 + .70*70 = 76.

3. MML Homework can be done from any computer. Each one has a deadline that is generally at 11:55pm on the day of the associated Test. Homework scores will only be included in your Test scores if they help your grade.

Final Exam

There will be a mandatory, comprehensive Final Exam given on Monday 8/2. Your Final Exam score can replace your lowest test score (meaning the Final Exam score counts twice, once for itself and once for the test score it replaces). This will be done only if it improves your grade.

Grading

Tests and the Final Exam are worth 100 points each, for a total of 500 possible points. Your overall grade is determined by the percentage of points you earn out of this total. This percentage is computed in one of these ways:

1. $(T1 + T2 + T3 + T4 + EXAM)/5$ OR   2. (Sum of three highest test scores + $2*EXAM)/5$

The results will be rounded to the nearest whole number and you will be assigned a letter grade based on the highest outcome and this scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F

Attendance

Attendance is also not a direct part of your grade, though I will monitor it. You are responsible for all information discussed during class, including changes that may occur to the syllabus.

Withdrawal

The last day to withdraw from a class with a grade of W is Friday 7/2. After this deadline, you can still withdraw from a class up until Sunday 8/1 but you will be assigned a grade of WP (Withdraw Pass) or WF (Withdraw Fail) based on your class grade at the time you withdraw. You will not be automatically withdrawn, so please keep these deadlines in mind.

Conduct

Students are expected to behave maturely, respectfully, and honestly. This means arriving to class on time, turning off cell phones while in the classroom, not disrupting the class, and especially not giving or receiving help on any tests (which will result in a zero score and possible further action according to VCC policy).

Resources

If you have questions about anything, I will be happy to help before, during, or after class, during my office hours, or by appointment if necessary. Please do not hesitate to ask! There are also other resources available, including the (relocated) Math Center in 4-236 (MTWR 8am – 8pm, F 8am – 12pm, Sat 9am – 2pm, Sun 11am – 4pm) and the Office for Students with Disabilities in SSB-102 (407 582 1523).

Disclaimer

This syllabus and the related course schedule may be changed at the discretion of the instructor. Any changes will be announced in class.

Tentative Schedule (assigned problems are odd numbered only)

M	5/10	Introduction	
		1.5	11-83
W	5/12	1.6	7-57
		2.1	11-41
F	5/14	2.2	11-31, 39-49, 55-65
M	5/17	2.3	11-89
		2.5	3-13
W	5/19	Review for Test 1	
F	5/21	TEST 1	
M	5/24	3.1	15-57, 61-69, 73-77
W	5/26	3.2	9-25
F	5/28	3.3	11-35
M	5/31	Holiday	
W	6/2	3.4	9-35
		3.5	7-17, 35-39, 65
F	6/4	TBA	
M	6/7	3.6	1-7
W	6/9	4.1	13-25
F	6/11	4.3	11-45, 59-63
M	6/14	4.4	1-11
W	6/16	Review for Test 2	
F	6/18	TEST 2	
M	6/21	5.1	11-55
W	6/23	5.1 continued	
F	6/25	5.2	11-27, 41-51
M	6/28	5.3	7-27
W	6/30	5.3 continued	
F	7/2	8.1	17-35

Note: the Withdrawal Deadline is Friday 7/2

M	7/5	Holiday	
W	7/7	8.6	25-41
		8.7	23-45
F	7/9	Review for Test 3	
M	7/12	TEST 3	
W	7/14	6.1	7-45
		6.2	9-37, 47-63
F	7/16	6.3	11-67
M	7/19	6.4	9-45, 49-55, 63-95
W	7/21	6.5	7-59
F	7/23	6.6	5-27, 33-47
M	7/26	6.7	3-21
W	7/28	Review for Test 4	
F	7/30	TEST 4	
M	8/2	FINAL EXAM	