

**Instructor:** R. Jose Garcia  
**Email:** [rgarci12@mail.valenciacollege.edu](mailto:rgarci12@mail.valenciacollege.edu)  
**Office:** 4-219  
**Phone:** 407-582-1056  
**Office Hours:** MWF 7:30 – 8:00am, 10:30 – 11:00am, 4:00 – 5:00pm (available by email)  
TR 7:30 – 8:00am, 11:30 – 12:00pm, 4:00 – 5:00pm (available by email)  
**Website:** <http://faculty.valenciacollege.edu/rgarci12/>

### Course Description

Intermediate Algebra presents algebraic skills for MAC 1105. Topics include: linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introduction to functions, factoring, algebraic fractions, rational equations, radicals and rational exponents, complex numbers, quadratic equations, scientific notation, applications of the above topics and the communication of mathematics. Applications emphasizing connections with other disciplines and the real world will be included.

### Blackboard

Blackboard is Valencia College's online course environment. You can access it through Valencia's home page or by using this address <https://online.valenciacollege.edu/>

In the Blackboard area for this class you will find the syllabus, MyMathLab registration information, course announcements, class notes, test solutions, and your grades. Be sure to check there often.

### Materials

Text: Intermediate Algebra, custom 6<sup>th</sup> edition, by Martin-Gay.

Calculator: You will need a scientific or graphing calculator for this course. You may use this calculator for all tests, however calculators may not be shared and other devices (phone, tablet, etc.) cannot be used.

MyMathLab (MML) access code: This is included with a new book purchase. You may also purchase a code from the bookstore or online. MML access is required for this class.

### 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.

### Optional Homework/Extra Credit Assignments

1. Each test has an associated set of homework assignments available through MML. This homework is not required but does represent what you are responsible to know. Each test will also have an optional assignment that may count as part of your test grade. These are generally called Optional Test # Assignment and can be found at the bottom of the homework list in MML. These will contain a smaller set of problems (five questions from each section) with a two attempt-per-question limit. Your overall test score will be weighted 70% for the in class part and 30% for the optional part, and rounded to the nearest whole number. For example, if you score 100 on the Optional Test 1 Assignment and 80 on the in class Test 1, then your overall Test 1 =  $.30 \cdot 100 + .70 \cdot 80 = 86$ .

2. Each test will also have an Extra Credit assignment, which covers prerequisite or advanced material and has a two attempt-per-question limit. Your score will be the percentage of up to five extra points per test, rounded to the nearest whole number.

Homework and Extra Credit can be done from any computer. Each one has a deadline, check the syllabus schedule or MML for exact dates. Optional Assignment 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 during the last class meeting on Monday 7/28. 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.

### **Lab Component**

This class has a required lab component. There is a designated lab meeting time in the Math Center (7-241), which is on Mondays from 10:30 to 11:30am. There are a total of six labs (one for each chapter we will cover). The highest five scores will be included in your Lab Grade (lowest lab is dropped).

Each lab will consist of these parts:

1. An interactive Activity found in Blackboard. You must print and fill out the associated assessment questions to show to a lab instructor before going on to the next part.
2. Password protected Lab Project Self Quiz in MML. This must be done in the Open Lab. You have unlimited attempts. This part is graded as complete (50 points) or incomplete (0 points).
3. Password protected Lab Activity Assessment in MML. This must be done in the Open Lab. You have three attempts. Your highest score is the percentage of 50 points you will earn.
4. The sum of the points earned in each part will be your grade for that Lab.

### **Lab Deadlines**

1. Each set of Lab activities has a deadline for completion. Check the syllabus schedule or MML for exact dates.
2. No late work will be accepted.

### **Lab Attendance**

1. This semester has a total of 12 weeks; however the attendance requirement must be met only 9 times.
2. Your attendance is graded in this way: for each week you meet the requirement, you receive one point. Otherwise, you receive zero points. Your Attendance Score is the percentage you earn out of a possible 9. For example, if you meet the requirement 6 out of 9 times then your Attendance Score is:  $6/9 = .667 = 67\%$

### **Lab Grade**

1. The Lab component counts as 1/6 (approximately 17%) of your overall grade.
2. Your overall Lab Grade is based on your MML scores (75%) and Attendance (25%). This is how your Lab Grade is computed:  $\text{Lab Grade} = .75 * (\text{Average of the highest five Lab scores}) + .25 * (\text{Attendance Score})$   
The result is rounded to the nearest whole number. For example, if the average of your Lab scores is 90 and your Attendance Score is 80, then your Lab Grade =  $.75 * 90 + .25 * 80 = 88$ .

## **Grading**

Lab Grade, Tests, and the Final Exam are worth 100 points each, for a total of 600 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 two ways:

1.  $(\text{LAB} + T1 + T2 + T3 + T4 + \text{EXAM})/6$       or      2.  $(\text{LAB} + \text{Sum of three highest test scores} + 2*\text{EXAM})/6$

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

## **Attendance**

Class attendance is 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 and schedule.

## **Withdrawal**

The last day to withdraw with a grade of W is Friday 6/27. After this deadline, you will not be able to withdraw. You will not be withdrawn by the instructor for being absent, or for any other reason.

## **Conduct**

Students are expected to behave maturely, respectfully, and honestly. In order to maintain a suitable learning environment, disruptions to the class (arriving late, talking during class, phone ringing, etc.) may result in being asked to leave the room. This will also lead to a meeting with the Dean of Students to determine the possibility of being allowed to return for subsequent classes. Any instance of cheating will result in a zero score and possible further action according to VC policy. Audio/video recording, photography, and any other uses of phones are not permitted during class.

## **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 Math Center in 7-240 (MTWR 8am – 8pm, F 8am – 7pm, Sat 10am – 3pm) 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.

M	5/5	Introduction
W	5/6	2.1 1-65 2.4 1-67
F	5/9	2.5 1-71
M	5/12	3.1 1-51 3.2 1-85
W	5/14	3.3 1-55 3.4 1-81
F	5/16	3.5 1-73
M	5/19	3.7 1-11, 21-31
W	5/21	Review for Test 1
F	5/23	TEST 1
Sat	5/24	Chapters 2 and 3 Labs due by Sat 5/24, 3:00pm Optional Test 1 homework/extra credit due by Sat 5/24, 11:55pm
M	5/26	Holiday
W	5/28	5.5 1-65 5.6 1-77 5.7 1-61 6.1 1-67
F	5/30	TBA
M	6/2	6.2 1-65
W	6/4	6.3 1-43
F	6/6	6.5 1-45
M	6/9	6.6 1-29
W	6/11	Review for Test 2
F	6/13	TEST 2
Sat	6/14	Chapter 6 Lab due by Sat 6/14, 3:00pm Optional Test 2 homework/extra credit due by Sat 6/14, 11:55pm
M	6/16	7.1 1-91
W	6/18	7.2 1-95
F	6/20	7.3 1-93
M	6/23	7.4 1-75
W	6/25	7.5 1-77
F	6/27	7.6 1-45
F	6/27	Withdrawal deadline

<b>M</b>	<b>6/30</b>	<b>7.7 1-91</b>
<b>W</b>	<b>7/2</b>	<b>Review for Test 3</b>
<b>F</b>	<b>7/4</b>	<b>Holiday</b>
<b>M</b>	<b>7/7</b>	<b>TEST 3</b>
<b>M</b>	<b>7/7</b>	<b>Chapter 7 Lab due by M 7/7, 3:00pm Optional Test 3 homework/extra credit due by M 7/7, 11:55pm</b>
<b>W</b>	<b>7/9</b>	<b>8.1 1-71</b>
<b>F</b>	<b>7/11</b>	<b>8.2 1-49</b>
<b>M</b>	<b>7/14</b>	<b>8.5 1-51</b>
<b>W</b>	<b>7/16</b>	<b>8.6 1-43</b>
<b>F</b>	<b>7/18</b>	<b>4.1 1-59</b>
<b>M</b>	<b>7/21</b>	<b>4.3 1-17</b>
<b>W</b>	<b>7/23</b>	<b>Review for Test 4/Final Exam</b>
<b>F</b>	<b>7/25</b>	<b>TEST 4</b>
<b>Sat</b>	<b>7/26</b>	<b>Chapters 8 and 4 Labs due by Sat 7/26, 3:00pm Optional Test 4 homework/extra credit due by Sat 7/26, 11:55pm</b>
<b>M</b>	<b>7/28</b>	<b>FINAL EXAM</b>