Course Description
Prerequisite: MAT 1033 with a grade of C or better or appropriate score on placement test. This course is based on the study of functions and their role in problem solving. Topics will include graphing linear functions, quadratic functions, exponential functions, and inverse functions. Students will be required to solve applied problems and communicate their findings effectively. Technology tools will be utilized in addition to analytical methods. A minimum grade of C is required to progress in mathematics or if MAC 1105 is used to meet the general education requirement in mathematics.

### Required Materials
1) *College Algebra*, Sullivan, 10th edition, Pearson, 2016 (ebook or hard copy)
   You are required to purchase the MyMathlab Code.

2) The MyMathLab Student Access Kit:
   - A MyMathLab Student Access Kit is included with a new book purchase in the Valencia bookstore for your Course Reference Number.
   - If you purchase a used text, or a new text from a source other than the Valencia bookstore, then you may need to purchase a MyMathLab student access kit as a standalone item.
   - A virtual copy of the textbook is available through MyMathLab.

3) Calculator:
   Technology is required. The TI-84+ is used for in-class demonstrations and is particularly recommended. If you are receiving financial aid it may be possible to utilize some of your funds to purchase your calculator. Check with the financial aid office for more information.
Resources

• Your instructor is interested in your success in this class. Please ask questions regularly!
• Many students of mathematics find it extremely helpful to form study groups with their classmates. This practice is highly recommended.
• The West Campus Math Center is in building 7, room 240. There you will find Valencia math division staff, peer tutors, study rooms and other comfortable work areas for study group meetings, computer-based tools as available for your text, and support materials for checkout with your VCC identification card. See website http://valenciacollege.edu/learning-support/math/ for hours/details.

Course Learning Outcomes

• Use processes, procedures, data, or evidence to solve problems and make effective decisions
• Use functions and function concepts to analyze and model realistic situations.
• Use appropriate technological tools to analyze and model realistic situations.

Conduct

• Your attitude/mindset will greatly affect your ability to succeed in this course. It will also affect your classmates’ attitudes should you choose to participate in class discussions. Always consider this carefully before you speak or act.
• If your actions in class are deemed by your instructor to be disruptive, you will be asked to leave class immediately. If you are ever asked to leave class, you may be permitted to return to future class meetings after consultation with your instructor outside of class. You may also be required to arrange a conference with another college official before attending class again.
• Honesty and integrity reward you in many ways, including avoidance of the grade of zero that is assigned to any student who cheats on any test or assignment. For Valencia’s Academic Honesty policy visit: http://valenciacollege.edu/generalcounsel/policy/documents/Volume8/8-11-Academic-Dishonesty.pdf.

Special Accommodations/Support

The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, extension 1523 http://valenciacollege.edu/office-for-students-with-disabilities/default.cfm). Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work. BayCare Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available. Additional information about Valencia Learning Resources can be found at: http://libguides.valenciacollege.edu/c.php?g=484852&p=3316404 and about Mental Health help: http://libguides.valenciacollege.edu/c.php?g=484852&p=3316406
Valencia Core Competencies

Valencia Community College wants graduates to possess and demonstrate a set of global competencies including the ability to THINK, COMMUNICATE, VALUE AND ACT. In an effort to help you acquire and improve your ability to demonstrate the competencies, this course will include activities that require you to:

1. Think clearly, critically and creatively.
2. Communicate with others in written and verbal form.
3. Make reasoned value judgments and responsible commitments.
4. Act purposefully, reflectively and responsibly.

Attendance

Attendance is taken, expected and encouraged, but is not graded. If you miss classes repeatedly, you will fall behind and may find it difficult to catch up. Math is not a spectator sport; engaging in class discussions, practicing regularly, and preparing for tests is essential for your success!

MyMathLab

- You are responsible for setting up your MyMathLab account during the first week of class.
- MyMathLab will be used to:
  - Access required online homework
  - Access to the online interactive textbook and additional electronic help tools.
  - Access to gradebook.

Homework

Completion of homework on a regular basis is crucial to your success in this course. Homework for a chapter will be due on the day of the chapter test by 11:59pm. You will not need to hand anything in as all homework is graded online in MyMath Lab and will contain homework problems from each section of material covered in class.

- You can access all MyMath Lab homework by going directly to http://pearsonmylabandmastering.com?cc. Please see Canvas for our Course ID number.
- You will be able to “redo” each problem on the assignments until you get them correct (up until the deadline) to get the best possible grade.
Testing

There are 5 in-class chapter tests, and a comprehensive final exam. *Students are strongly attempted to review homework and take timed “practice tests” at home (composed of homework problems similar to those described in study guide reminder email sent out the week prior to the test)* before attempting actual test. If a student knows that they cannot attend class on the day of the test, they must contact professor PRIOR to the test by email and arrange an alternate time to take the test, if possible.

Note: Every test score will be used, there are NO “dropped” test scores. Missing a chapter test automatically drops your overall grade by one letter grade.

Grading

- Partial credit on tests is sometimes given, when appropriate, solely at the discretion of the instructor, based on amount of completion and correctness of problems.
- All grades will be posted in the MyMathLab Gradebook only, not in Canvas.
- All grades will be rounded to the nearest whole number. *No need to beg; grades are objectively determined by your scores, according to the weighted percentages below.*

Course Grade Determination

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tr>
<td>Chapter Tests</td>
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<tr>
<td>Comprehensive Final Exam</td>
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<tr>
<td>Homework</td>
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The following scale will be used for graded assignments as well as for computation of the course grade:

- 90 - 100% A
- 80 - 89% B
- 70 - 79% C
- 60 - 69% D
- Below 60% F

Important Dates

- **Withdrawal Deadline:** The deadline for withdrawing from class with a grade of “W,” if you are eligible to do so, is on **July 19th for Summer B 2019 (H2) classes**. After the deadline you will not be permitted to withdraw yourself from the class. Your professor will NOT drop you from the class (after the first week of classes), but you will receive an A-F letter grade in the class (based on the scores recorded in the MyMathLab Gradebook) if you simply stop attending entirely. Thus, withdrawing is YOUR responsibility. For a complete Valencia policy overview, visit [http://valenciacc.edu/generalcounsel/policydetail.cfm?RecordID=75](http://valenciacc.edu/generalcounsel/policydetail.cfm?RecordID=75).
- **College Closed:** The College will be closed **July 4th**.
<table>
<thead>
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<th>Wk #</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<td>7/9 4.4, 4.5, Review</td>
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<td>7/24 6.8, Review</td>
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<td>7/30 Final Exam</td>
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