MAC 1105 – College Algebra
Course Syllabus, Fall 2019

Professor: Ms. Sandra Draper, MA
E-mail address: sdraper2@mail.valenciacollege.edu
Office location: 3 – 245
Phone: (407) 582 – 1436

Course: MAC1105
CRN: 10214
Time: TR 9:00 am – 11:15 am
Location: 3 – 228

Aleks course code: DF4JN-V9HG3

Student Engagement Hours in 3-245:
Monday: 11:00 pm - 1:00 pm
Tuesday: 2:30 pm - 4:30 pm
Wednesday: 11:00 pm - 1:00 pm
Thursday: 2:30 pm - 4:30 pm

Student Engagement Hours Online:
sdraper2@mail.valenciacollege.edu
Friday: 11:00 am - 1:00 pm
Other times available by appointment.

Course Description
Prerequisite: 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 TEXTBOOK AND OTHER MATERIALS
1) Aleks Access (by Mcgraw Hill) is required. You may purchase the Aleks code (www.aleks.com) from the bookstore or online. An e-text is included; thus a paper text is not required.
2) Calculator: A scientific or graphing calculator is required; you may choose.

Class Policies
Attendance
• Attend as many class meetings as you can. If you miss more than 3 class meetings, you may be withdrawn from the class.
• If you miss class, be sure you get any information and/or assignments given. Then, get help to learn the material and make up the assignments
• To get the most from your class, plan to be in class on time and remain in class for the entire period.
• If you need to leave class early, discuss the matter with your instructor.
**Homework**
- Completion of your modules in Aleks on a regular basis is crucial to your success in this course.
- Course modules will be due weekly on Monday nights.

**Testing**
- Complete each test within the time allotted during the class period.
- There are no dropped tests; every test score will be used to figure your grade.
- If you know you will miss a test, make a timely request for an excused absence; be sure that you communicate with the instructor. If you do not request an excused absence for a missed test, or your request for an excused absence is denied by the instructor, you will receive 25 points off the final grade of that test. If you do not take the test in a timely manner, you will receive a zero for that test.
- During your test, you may only use a real calculator, not an app or other electronic device.
- Do not have other materials out during your test.

**Final Exam**
- The final exam is scheduled for Tuesday, December 10th, from 10:00 am – 12:30 pm.
- Do not plan to take the final exam at another time.
- If you do not take the final exam, it will result in an F in the class.
- During your final exam, you may use only a real calculator, not an app or other device.

**Conduct**
- Actively participate and ask pertinent questions during class. Be courteous.
- Avoid the use of cell phones and other devices that are audible.
- Create a good environment for learning; be respectful of others.
- Avoid being disruptive. If your actions in class are deemed by your instructor to be disruptive, you will be asked to leave class immediately. You may be permitted to return to future class meetings after consultation with your instructor outside of class.

**Resources**
- Ask questions in class and Ms Draper’s office hours. Ms Draper is interested in your success in this class!
- Form study groups with your classmates. This practice is highly recommended.
- Visit the West Campus Math Center is in building 7, room 240, and its hours can be found at [http://valenciacollege.edu/west/lss/math/hours.cfm](http://valenciacollege.edu/west/lss/math/hours.cfm)

**E-mail Communication Policy**
Check your Atlas e-mail daily. The instructor will communicate via Canvas or Atlas e-mail. Do not miss important information sent by the instructor. Please keep all e-mail respectful and professional.

**Important Dates:**
- Monday, September 2nd is Labor Day, so there is no class.
- Monday, November 11th is Veteran’s Day, so there is no class.
# College Algebra (MAC1105) Tentative Schedule Fall 2019

<table>
<thead>
<tr>
<th>Week #</th>
<th>Month &amp; Day</th>
<th>Textbook Sections and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Monday/Tuesday</td>
</tr>
<tr>
<td>1</td>
<td>Aug 27</td>
<td>Welcome, Course Introduction, Intro to ALEKS, IKC in computer lab</td>
</tr>
<tr>
<td>2</td>
<td>Sep 3</td>
<td>Graphing and Lines (2.4)</td>
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<tr>
<td>3</td>
<td>Sep 10</td>
<td>Rational Expressions (Add, Subtract, Complex) (R.6), Solve Rational Equations (1.1)</td>
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<tr>
<td>4</td>
<td>Sep 17</td>
<td><strong>Test Review, Exam 1</strong></td>
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<tr>
<td>5</td>
<td>Sep 24</td>
<td>HTL1, Linear, Compound and Absolute Value Inequalities (1.7)</td>
</tr>
<tr>
<td>6</td>
<td>Oct 1</td>
<td>Functions and Relations (2.3)</td>
</tr>
<tr>
<td>7</td>
<td>Oct 8</td>
<td><strong>Test Review, Exam 2</strong></td>
</tr>
<tr>
<td>8</td>
<td>Oct 15</td>
<td>Symmetry, Even/Odd, Incr./Dec./Const, Min/Max (2.7)</td>
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<tr>
<td>9</td>
<td>Oct 22</td>
<td>Combining and Composing Functions (2.8)</td>
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<tr>
<td>10</td>
<td>Oct 29</td>
<td>Quadratics (3.1)</td>
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<tr>
<td>11</td>
<td>Nov 5</td>
<td><strong>Test Review, Exam 3</strong></td>
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<tr>
<td>12</td>
<td>Nov 12</td>
<td>HTL6, SFI, Logarithms (4.3)</td>
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<tr>
<td>13</td>
<td>Nov 19</td>
<td>Exponential and Log Equations (4.5)</td>
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<tr>
<td>14</td>
<td>Nov 26</td>
<td>Exponential and Logarithmic Models (4.6)</td>
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<tr>
<td>15</td>
<td>Dec 3</td>
<td><strong>Test Review, Exam 4</strong></td>
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<tr>
<td>16</td>
<td>Dec 10</td>
<td><strong>Cumulative Final Exam</strong></td>
</tr>
</tbody>
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## Course Grade Determination

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Grading Scale:</th>
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<tbody>
<tr>
<td>Tests</td>
<td>60%</td>
<td>90 – 100</td>
</tr>
<tr>
<td>Aleks</td>
<td>20%</td>
<td>80 – 89</td>
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<tr>
<td>Cumulative Final Exam</td>
<td>20%</td>
<td>70 – 79</td>
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<tr>
<td></td>
<td></td>
<td>60 – 69</td>
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<td>59 or below</td>
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Withdrawal
Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline of November 1st will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline.

Special Accommodations
Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (WC SSB, Rm. 102, Ph: 407-582-1523, Fax: 407-582-1326, TTY: 407-582-1222).

Academic Honesty
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. Cheating is defined by any behavior that can be construed as cheating such as blatant cheating, looking at somebody’s paper, talking or whispering during a test, copying (including all take-home activities, examinations, and/or homework assignments), use of a cellular phone or other electronic device without prior permission, suspicious behavior, or failing to follow appropriate procedures for taking a test as prescribed by the instructor. Simply stated, cheating will not be tolerated.

Student Resource for Assistance
Valencia College is interested in making sure all our students have a rewarding and successful college experience. To that purpose, 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.

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.

Changes in the syllabus, schedule, and/or assignments for this class may be made at the discretion of your instructor.