MAC 1105: College Algebra
Summer 2015

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<td><strong>Professor:</strong></td>
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<th>Class Days and Times (Circle Yours)</th>
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<td><strong>CRN 30204:</strong></td>
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**Catalog Course Description:**
MAC 1105 College Algebra
Prerequisite: Minimum grade of C in MAT 1033C or appropriate score on an approved assessment. Course based on the study of functions and their role in problem solving. Topics include graphing; the linear, quadratic, and exponential families of 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. Gordon Rule course. Minimum grade of C required if MAC 1105 is used to satisfy Gordon Rule and general education requirements.

**Book Material:**
Chapter 1: Equations and Inequalities
Chapter 2: Graphs
Chapter 3: Functions and Their Graphs
Chapter 4: Linear and Quadratic Functions
Chapter 5: Polynomial and Rational Functions
Chapter 6: Exponential and Logarithmic Functions
Chapter 8: Systems of Equations and Inequalities
**Required Materials:**

**MyMathLab Code for Online Homework:** We will be using software called MyMathLab. An access code (or a credit card or PayPal payment) is required to access the software. The software includes an e-book (the electronic version of the textbook listed below). See the separate “Student Registration Handout” for detailed connection information.

**Graphing Calculator:** A graphing calculator that does not perform symbolic algebra is required. (A calculator with “CAS” in the name is not allowed.) The TI-84 Plus 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. You can borrow a TI-84 Plus calculator from the Math Center (Room 7-240) for three days at a time until you purchase your own.

**Recommended Materials:**

**Lecture Notes:** I will post my lecture notes inside MyMathLab. I strongly suggest you have a printed or electronic copy with you during every class session.

**Supplies:** Several pencils with erasers, blank notebook paper and/or graph paper, and a three-ring binder with tab sections (or its equivalent) are recommended. All work must be completed in pencil, except as listed below.

**Textbook:** College Algebra (9th Edition), by Michael Sullivan (optional if you use the e-book)


**Forbidden Materials:**

No pens are allowed (except in class notes)
Math Assistance Outside of the Classroom:

- I hold office hours to meet with students. I am interested in your success in this course. Please come ask questions regularly!
- The West Campus Math Center is in 7-240. There are two main areas here where you can receive help.
  - While you are in the Tutoring Center, you can receive one-on-one help with math concepts and problems.
  - Take advantage of study rooms, a place where your study group can meet to work on math concepts and problems.

The hours of the Math Center are listed on their Web site:

http://valenciacollege.edu/west/lss/math/hours.cfm

It is important that you understand how you will receive help with math concepts and problems. The tutors have been trained to use techniques that help you become an independent learner. They have been instructed to guide you through the problem-solving process and utilize the materials you have available through your course. They may help you by asking open ended questions, walking you through examples in your text, or (hopefully on rare occasions) using pencil and paper to show you how to solve a problem similar to one you are working on. Since their goal is to help you become an independent learner, they will let you do the work as much as possible. The learning process requires a regular investment of your time, and patience is the key.

- Smarthinking is a tutoring service that is available for free over the Internet, 24 hours a day, 7 days a week. From www.valenciacollege.edu, log into Atlas. Click the Courses tab. In the middle, click Tutoring (online). Follow the on-screen instructions. You may ignore/close the window about the Smarthinking app if you want to. At the bottom, select Algebra or Algebra w/ Audio. Interact with a tutor in real time!

Testing Center Information:

The Testing Center, located in 11-142, allows you to take exams early or outside the classroom (with prior instructor approval). You must arrive at least one hour before closing to take an exam. The Testing Center's hours are listed on its Web site:

http://valenciacollege.edu/west/lss/testing/hours.cfm

Course Grading Percentages:

- Chapter Tests: 50%
- Book Reading Quizzes: 10%
- Comprehensive Final Exam: 20%
- Online Homework: 20%

Course Grading Scale:

- A: 90.0% and above
- B: 80.0-89.9%
- C: 70.0-79.9%
- D: 60.0-69.9%
- F: 0.0-59.9%

Scores on all tests will be rounded to the nearest percent or half percent. End-of-term averages will be rounded to the nearest tenth of a percent.
**Attendance Policy:**
Your attendance in class is mandatory. Absences are excused solely at my discretion, and I may require that you prove the existence of extenuating circumstances before excusing any absence(s). You will have an “attendance pad” that you will take to your seat each class day and leave with me at the end of each class session. Your attendance pad holder will have a number on it (it starts at 8). Each day you are absent, I will subtract 2 from that number. If the number ever reaches zero, I reserve the right to withdraw you from the class. It is your responsibility to find out about announcements and changes, if any, if you are absent, arrive late, or leave early.

**Pencasts:**
Throughout the semester, each unique lecture will be recorded using a Livescribe “smart pen” and uploaded to my Web site as a “pencast.” These pencasts are very powerful. If you need to experience or re-experience something that was done in class, you can jump to that part of the lecture and see/hear it. If you were absent, you can even get back your lost attendance points by following the instructions on my Web site and watching the relevant pencast.

**Sending Me an Email:**
Whenever you send me an email, always include your full name and either the CRN or days/times your class meets. The word “mail” is not part of my email address!

**Class Preparation:**
A typical high school class includes 180 hours in the classroom. A typical college class includes only 54 hours in the classroom. To help make up this difference, you are expected to read your textbook for understanding before coming to each class session. This allows you to write less and understand more in class, and will help us use our time efficiently. There will be 1 or 2 quizzes on the reading assignments each week.

**Anticipated Workload:**
I expect you to spend approximately 13 hours each week working on this class. Use this information to find the right balance between school, work, family, and fun time. If you do not think you can handle the 13 hours per week that this class requires, you should speak to an academic advisor about taking fewer classes.

**Testing Policies:**
- A test missed for any reason (good or bad) will be replaced using questions on the final exam from the same chapter or chapters. The percentage of those questions answered correctly will become the percent score on the missed exam.
- A test may be completed before the scheduled test date, or on the scheduled test date but at a different time and place, with prior approval. A test may not be taken after the scheduled test date. If you miss the final exam, I reserve the right to assign you a final course grade of “I” (Incomplete).
- You must complete each in-class test within the time allotted during the class period.
- All materials in your work area during testing, including electronic memory, are subject to my thorough and unannounced inspection.
- No class-related content may be stored in calculator memory for use during tests.
Online Homework Due Dates:
Whenever we finish a section, the homework is due a few days later according to the due dates in MyMathLab. If we fall behind in class, those due dates will be extended accordingly. You are responsible for managing your assignments and their due dates.

Late/Resubmitted Work (“Grade Changes”):
Once MyMathLab due dates pass, the assignments close. Other work, such as quizzes, extra credit assignments (if given), and test corrections (if given), will have due dates/times. Any work missed for any reason (good or bad) can be attempted or reattempted by “spending a grade change.” You will receive only three (3) grade changes for the whole semester.

Disorderly Classroom Conduct:
Disorderly conduct is behavior that is distracting to other students or the instructor, or that inhibits the learning experiences of other students. This includes texting/talking on the phone during class, using an electronic device (e.g. laptop computer, tablet) for non-class-related activities, arriving late/leaving early in a disruptive manner, monopolizing class discussions, using disrespectful language, etc. The first violation of this policy will result in a warning. A second violation will result in your being asked to leave the classroom. If you are ever asked to leave class, you may be permitted to return to future class meetings after speaking with me outside of class. You may also be required to arrange a conference with another college official before attending class again.

Academic Honesty:
You are expected to do your own work on quizzes, tests and exams. Providing information to another student or receiving information from another student is considered cheating. I reserve the right to determine the appropriate penalties within Valencia College’s academic honesty policies if you are observed cheating.

No-Show Policy:
Students registered for this class who do not attend any class sessions between and including May 11, 2015 and May 18, 2015, and who do not contact me to notify me of their situation, will be withdrawn as a “no-show.”

Withdrawal Policy:
Always seek advice from the instructor or from an academic advisor prior to withdrawing from any course, as it may affect any financial aid you may receive or have other negative consequences. If you decide to withdraw, per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), note that a student who withdraws from class before the withdrawal deadline of July 10, 2015 (11:59 pm) will receive a grade of “W.” A student is not permitted to withdraw after the withdrawal deadline. A faculty member may withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of “W.” Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of “F.” For a complete procedure overview on Valencia Policy 4-07 please go to:

http://valenciacollege.edu/generalcounsel/policydetail.cfm?RecordID=75
Valencia Student Core Competencies:
Valencia’s Student Core Competencies are complex abilities that are essential to lifelong success. This course will help you develop and demonstrate the abilities to (1) think clearly, critically, and creatively; (2) communicate with others verbally and in written form; (3) make reasoned value judgments and responsible commitments; and (4) act purposefully, reflectively, and responsibly. Due to the nature of these global competencies, many math problems and activities will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively how to arrive at an appropriate solution for the problem.

Office for Student with Disabilities:
Students with disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form 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. Contact information for the West Campus OSD is as follows:

http://valenciacollege.edu/osd/

Expected Student Campus Conduct:
Valencia College is not only dedicated to the advancement of knowledge and learning, but is concerned with the development of responsible personal and social conduct. By enrolling, you assumed the responsibility for becoming familiar with and abiding by the general rules of conduct. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed to leave the class; violation of any classroom or of Valencia’s rules may lead to disciplinary action up to and including expulsion from Valencia. You can find the Student Code of Conduct in the current Valencia Student Handbook.

Life Help (BayCare)
BayCare Behavioral Health offers a wide range of outpatient services that can help individuals coping with behavioral health or chemical dependency issues. Counseling can help those who have struggled with emotional problems for years and those who find themselves in need of support in order to lead more productive and independent lives. Call the confidential toll free number: (800) 878-5470. Sometimes life can be stressful. BayCare can help.

Disclaimer:
Changes to this course and syllabus may be made at any time, at my discretion. Should this occur, I will notify you of the changes.