**MAC 1105 College Algebra**

**Course Syllabus Spring 2012**

**CRN 23838 MW 19:00-20:15pm - Room 2-111**

**Instructor:** Dana Baxley Sta.Ana

**E-Mail:** dbaxley@valenciacollege.edu

**Website:** http://frontdoor.valenciacollege.edu/?dbaxley

**Appointments:** By Appointment only

 Online Hours: email me at dbaxley@valenciacollege.edu

 Mon – Wed 8:30 am – 10:00 am

**Course Description:**

COLLEGE ALGEBRA - MAC 1105 CREDIT HOURS: 3

• Prerequisite: Minimum grade of C in either MAT 0025C or 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 is required if MAC 1105 is used to satisfy Gordon Rule and general education requirements. Credit not given for both MAC 1105 and MAC 1102 nor for MAC 1105 and MAC 1104 nor for MAC 1105 and MAC 1132.

**Required Materials:**

* **Textbook:**  *College Algebra With Current Interesting Applications and Facts*, by Gisela Acosta and Margie Karwowski
* **Graphing Calculator:** A graphing calculator is **required** for this course. A **TI-84** will be used for all classroom demonstrations. Only the TI-83 or TI-84 can be used on tests.
* **Access to Maple TA:** Access to Maple TA will be included with the purchase of a new textbook.

**Optional Materials:** Graph paper, ruler

**Valencia Student Core Competencies:** This course seeks to reinforce the following Valencia Student Competencies:

* **Think** clearly, critically and creatively by analyzing, synthesizing, integrating and

evaluating symbolic works and truth claims.

* Reflect on your own and others’ **values** from individual, cultural and global perspectives.
* **Communicate** by reading, listening, writing and speaking effectively.
* **Act** purposefully, reflectively and responsibly by implementing effective problem solving

and decision making strategies.

**Class Policies:**

* Preparation**:** Please be prepared for each class meeting by completing any homework from previous sections and reading the upcoming section(s) in the textbook.
* Attendance: To be successful in a math course you must attend class regularly. Students are expected to attend every class, be punctual, and remain in class for the entire class time. Attendance will be taken at every class meeting. The instructor reserves the right to withdraw a student from MAC1105 for having more than three absences and you will receive a warning via email of any excessive absences.Students are responsible for all work and any announcements presented when they are absent.
* Class Participation: Students are encouraged to participate actively and ask pertinent questions during class. Proper classroom etiquette and courteous behavior is expected at all times. Make every attempt to use the restroom before coming to class. Leaving during class is a disruption to me and your classmates.
* Personal Electronic Devices: Please turn off or silence these devices before you come into class. Unplug yourself and make the most of class time! These devices disrupt your learning as well as the learning of other students. No headphones are to be worn during class time.

**Evaluation:**

* Homework: Completion of homework on a regular basis is crucial to student success in this course. All homework will be completed online through Maple TA. . Your temporary username and password is on the inside front cover of the book. The website is listed as well. Make sure when you register to choose the correct course and correct time that you are registered. There is no online access code that can be purchased separately nor can you use an access code from a book that was already used.You will be given one week to complete every assignment. All homework is graded. There will be time allotted at the beginning of class to go over selected homework problems. Your total homework grade will count as one test grade. Please note this test grade can make a BIG difference in your final grade.
* Quizzes and Other Assignments: There will be approximately 7 quizzes; the lowest quiz will be dropped. There are no makeup quizzes. Each quiz is worth 10 points.
* Tests: There will be four unit tests. Each test will be worth 100 points. Each will be announced in advance. No makeup tests are available. Arrangements may be made to take a test early if you know you will be absent ahead of time.
	+ If a test is missed, then it will be replaced by the lowest test grade. If 2 tests are missed then a “zero” will be counted as one test score. If a test isn’t missed, the highest test score will be counted twice.
* Final Exam: There will be a **comprehensive** final examination at the end of the course during our scheduled final examination period. The final exam is worth 100 points. Failure to take the final exam will result in a grade of 0 on the final.

**Final Exam Date/Time: Monday, April 22, 19:45pm-22:15pm**

**Grading Policy:**

* A: 90%-100% B: 80%-89% C: 70%-79%

\*D: 60%-69% \*F: below 60%

\* A grade of D or F will require you to repeat MAC1105 before continuing in your math courses.

**Course Progress Sheet**:

Your grade is based on total points. You may calculate your current grade at anytime by dividing your points earned by total points available at that time, then multiplying by 100.

**Unit tests (100 points each)**

Test 1 \_\_\_\_\_\_\_\_ Test 2 \_\_\_\_\_\_\_\_ Test 3 \_\_\_\_\_\_\_\_ Test 4 \_\_\_\_\_\_\_\_

**Quizzes (10 points each)**

Quiz 1 \_\_\_\_\_\_\_\_ Quiz 2 \_\_\_\_\_\_\_\_ Quiz 3 \_\_\_\_\_\_\_\_ Quiz 4 \_\_\_\_\_\_\_\_

Quiz 5 \_\_\_\_\_\_\_\_ Quiz 6 \_\_\_\_\_\_\_\_ Quiz 7 \_\_\_\_\_\_\_\_

**Homework (100 points)** (use current % grade as your points here) \_\_\_\_\_\_\_\_

**Final Exam (100 points)** \_\_\_\_\_\_\_\_

**What to do if you do not understand or need help:**

* Review your notes. Rework the examples provided in class. See if it still makes sense!
* Read the textbook **(really)**. The text is well written and has many examples for you to follow.
* Contact your instructor.
* The Math Support Center provides free walk-in tutoring. It is located inside the Academic Success Center on the first floor in building 4. You may visit their website [www.valenciacollege.edu/east/mathcenter/](http://www.valenciacollege.edu/east/mathcenter/) for more information and operating hours.
* Math CDs, video tapes and tutorial software are available at the Academic Success Center.
* Here is a link to Valencia’s tutoring services: <http://www.valenciacollege.edu/tutoring>
* The following link will provide you with more information on our college’s math resources: <http://www.valenciacollege.edu/math>
* For Valencia’s computer lab hours, go here: <http://www.valenciacollege.edu/labs>

**Do not wait to get help!**

**Valencia I.D. Cards:** Valencia ID cards are required for LRC, Testing Center, and IMC usage. No other form ofID at those locations will be accepted. Possession and utilization of a Valencia ID is mandatory in order to obtain these services.

**Testing center hours of operation:**

***Students must begin tests at least one hour before the Testing Center closes. Students must present a VCC ID, drivers license or any other form of identification will not be accepted.***

**Monday - Thursday**
7:00 AM - 10:00 PM (last test given at 9:00 PM)

**Friday**
7:00 AM - 8:00 PM (last test given at 7:00 PM)

**Saturday**
8:00 AM - 4:00 PM (last test given at 3:00 PM)

**Withdrawal:** **Don’t just stop coming to class!** Students who withdraw by the deadline will receive a W in the course. The withdrawal deadline for Spring 2013 is **March 22, 2013**. After that the instructor may withdraw a student, up to the beginning of the final exam period, for excessive absences. Students who do not withdraw themselves prior to the withdrawal deadline will be assigned whatever grade was earned for the course as their final grade. Any student who 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 policy and procedure overview on Valencia Policy 4-07 please go to: <http://valenciacollege.edu/generalcounsel/policydetail.cfm?RecordID=75>

**Atlas Email:** Any notification of excessive absence or course progress is done through Atlas. I will also send class announcements and reminders through Atlas email. Be sure to check your Atlas email at least twice a week. It is recommended that you do not forward your Atlas email to an outside account such as yahoo, hotmail, etc. as email from Valencia might be tagged as spam and not delivered.

**Academic Honesty:** All students are expected to be in compliance with Valencia College’s policy on academic honesty as set forth in the admissions catalog and the student handbook. Providing information to another or receiving information concerning exam/test/quiz content is considered cheating and will not be tolerated. Should a student be found to be cheating, the instructor reserves the right to determine the appropriate penalties according to Valencia’s policies, which, in most cases, will result in at least an “F” for the course. Note: Copying another’s homework is cheating.

**Computer/Equipment Use Policy:** Use of computers in the Business, IT, and Public Service classrooms at Valencia College is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

Use of computer to send E-mail or access Internet sites not specifically assigned in class.

Use of computer for job, internship, homework or other activities not assigned in class.

Modifying any hardware or software system configuration or setting.

Activities not in accordance with the Valencia Student Code of Conduct

Use of computers in the departmental open lab is limited to those activities involved with preparing homework or coursework in this department and is subject to the same restriction as listed above.

Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.

**Expected Student Conduct:**

Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty member to leave class. Violation of any classroom or Valencia’s rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

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**Students with Disabilities:** Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first week of class. The Office for Students with Disabilities (East: Bldg 5-216) determines accommodations based on appropriate documentation of disabilities. Valencia’s OSD can be found online at <http://valenciacollege.edu/osd/documents/ADeskReferenceGuideForFaculty__5_23_12.pdf>

**Disclaimer:** Changes in class policy, evaluation procedure and/or any information outlined in this syllabus are subject to change at the discretion of the instructor. In case you are absent, it is your responsibility to find out what, if any, changes or announcements were made.

**Approximate Schedule:** (may change due to pace of class)

|  |  |  |
| --- | --- | --- |
| **Week** | **Dates (beginning)** | **Sections Covered/Tests** |
| 1 | 1/7 | 1.1-1.3 |
| 2 | 1/14 | 1.4-1.5  |
| 3 | 1/21 | 2.1 \*no class 1/21 |
| 4 | 1/28 | 2.2-2.3 Q |
| 5 | 2/4 | 2.4, 3.1, Test 1 (Ch 1&2) |
| 6 | 2/11 | 3.2-3.3 Q |
| 7 | 2/18 | 4.1-4.2 Q |
| 8 | 2/25 | 4.3, Test 2 (Ch 3&4) |
| 9 | 3/4 | Spring Break – no classes |
| 10 | 3/11 | 5.1-5.3 Q  |
| 11 | 3/18 | 7.1-7.2 Q\*Withdrawal Deadline is Friday, March 22 |
| 12 | 3/25 | 6.1, Q, Test (Ch 5&7) |
| 13 | 4/1 | 6.2-6.3 |
| 14 | 4/8 | 6.4; Test 4 (Ch 6) |
| 15 | 4/15 | Review for Final |
| 16 | 4/22 | Final Exam; Monday, April 22, 19:45pm-22:15pm |

**Math Center Hours:** [**http://www.valenciacollege.edu/east/mathcenter/**](http://www.valenciacollege.edu/east/mathcenter/)

**Printable Practice Worksheets:** [**http://www.kutasoftware.com/**](https://webmail.valenciacc.edu/owa/redir.aspx?C=3a46d2c5d9a34d5a91ca993522664269&URL=http%3a%2f%2fwww.kutasoftware.com%2f)

**Final Exam Schedule:** <http://valenciacollege.edu/calendar/documents>