VALENCIA COLLEGE: WEST CAMPUS

**MAC1105: COLLEGE ALGEBRA – CRN 10376**

**COURSE SYLLABUS** – FALL 2014

MWF 12 p.m. – 12:50 p.m. (Bldg. 7/Rm. 206)

**INSTRUCTOR:** Samuel Tsegäye

**OFFICE:** 3-126

**OFFICE HOURS:** Monday – Friday: 9am – 11am

**PHONE/EMAIL:** 407-582-1794 / stsegaye@valenciacollege.edu

**WEBSITE:** http://frontdoor.valenciacollege.edu/?stsegaye

**PREREQUISITE**: Minimum grade of C in MAT1033C or appropriate score on an approved assessment.

**REQUIRED** College Algebra, Sullivan, 9th Edition

**MATERIALS:**

MyMathLab Student Access Kit

* A MyMathLab Student Access Kit is included with a new book purchase in the Valencia bookstore. **COURSEID:** **tsegaye46308**
* 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. If so, please make sure the kit you purchase is for MyMathLab.

**CALCULATOR:**  TI-83 or TI-84 Graphing Calculator. Bring your calculator to all class sessions!

A graphing calculator that does not perform symbolic manipulations 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.

**COURSE DESCRIPTION:**

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 MAC1105 is used to meet the general education requirement in mathematics.

**COURSE 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 and class participation are expected of all students. You are responsible for any information and/or assignments given during class, whether you are present or not. Furthermore, you may be withdrawn from the course at the instructor’s discretion if absences are excessive. **It will be considered excessive if it exceeds 3 absences.** In-class activities can’t be “made up.” If you are absent on a day that an in-class activity occurs for credit or extra credit, your grade is likely to be adversely affected.

***You must be in class on time.*** Two tardies or early departures count as an absence. Please do not make a habit of being late. It is disruptive to arrive or depart while class is in session. It is your responsibility to make up the notes/assignments that you may have missed as soon as possible. If you have to leave early then please let me know in advance before class.

**Note:** Perfect attendance will add 3% to your cumulative score

**WITHDRAWAL:**

The withdrawal (W) deadline for this session is **Friday, November 07, 2014**. It is the student’s responsibility to withdraw through Atlas. Withdrawal after the deadline due to attendance is at the discretion of the instructor.

**ACADEMIC HONESTY:**

Representing another’s work as your own or allowing such conduct on the part of a fellow student is cheating. Cheating will not be tolerated in this class. Such incidents will be handled according to the college policy on academic honesty.

**CLASSROOM CONDUCT:**

You are encouraged to actively participate and ask pertinent questions during class. Every student is expected to behave in a manner that encourages an atmosphere of respect in the classroom. The Valencia College Code of Student Conduct will be the minimum standard for behavior. In addition to that standard:

* Cell phones will be disabled and out of sight during class meetings.
* If you are text messaging or your cell phone rings during class then the incident will count as one tardy (half of an absence).
* Cell phone calculators will not be allowed.
* If your cell phone rings during a quiz or a test then you will be penalized for that assignment.

Your attitude 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. To create a good environment for learning, avoid sidebar conversations with other students while work is being done at the board, rude comments or remarks, raised voices or confrontational comments. Follow instructions given by your instructor, who serves as your classroom manager.

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.

**HOMEWORK:**

Completion of homework on a regular basis is an essential part of your success in this course. Online (via MyMathLab) and textbook homework will be assigned during each lecture session and is expected to be completed by the next class session (no later than the specified due date). At that time an opportunity to discuss the homework will be given. Make a sincere effort to stay current with homework. Success in the class is unlikely otherwise. You are encouraged to seek assistance from the instructor if you encounter difficulties with the assigned problems, or visit the Math Center in 7-240.

**MAKE-UPS:**

It is my policy NOT to allow make-ups of missed tests or assignments. The only exceptions that will be considered are verifiable absences due to illness, death in the family, or such unanticipated emergencies. In the event of such a situation, written verification (Dr.’s excuse, police report, etc.) of the emergency must be provided. If you are going to have to miss an exam, you must let the instructor know before the scheduled exam time, and you may be allowed to take the exam at the discretion of the instructor.

**GRADING:**

Your grade will be determined by your attendance, performance in the class, on homework, quizzes, tests, and the final exam. These will be figured according to the grading scale below.

|  |  |  |
| --- | --- | --- |
| **4 Tests (NO drop grade)** | **60%** | **Grading Scale (%)**  90 – 100 **A**  80 – 89 **B**  70 – 79 **C**  60 – 69 **D**  Below 60 **F** |
| **Homework** | **15%** |
| **Quizzes** | **10%** |
| **Final Exam** | **15%** |
| **Perfect Attendance** | **Up to 3%** |
| **TOTAL POSSIBLE** | **103%** |

You can check your grades on **MyMathLab** under ***GRADEBOOK***

**Note:** Each homework problem may be attempted multiple times until desired grade is achieved for the section.

The lowest quiz grade may be dropped if the student visits the instructor’s office once in the first two weeks of class. It is the responsibility of the student to sign in to get credit for office visit.

There will be a two hour final exam on, **Friday, December 12, 10:00am – 12:30pm**. The final will be comprehensive. Failure to take the final exam will result in a grade of F.

**RESOURCES:**

* I, your instructor, am interested in your success in this class. Please ask questions regularly!
* Many students of algebra 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**. It is open:
* Monday through Thursday from 8:00 a.m. to 8:00 p.m.
* Friday from 8:00 a.m. to 7:00 p.m.
* Saturday from 10:00 a.m. to 3:00 p.m.

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 Valencia College identification card.

* Peer tutors in the Math Center are available for walk-in assistance, no appointment necessary. Peer tutors are available for individual appointments as scheduling and funding permit. Ask for details at the Welcome Desk in the Math Center. 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 the tutors’ 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.
* If you purchased a new text, you received a Student Access Kit for the MyMathLab software with it. It is also possible to purchase a student access kit for MyMathLab separately in the bookstore or online. You will use the software as part of your lab experience.
* **BayCare Behavioral Health Student Assistance Program (SAP):** 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 that may assist them with psychological issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work.  Students have 24 hour unlimited access to the BayCare Behavioral Health’s confidential student assistance program phone counseling services  by calling (800) 878-5470. Three free confidential face-to-face counseling sessions are also available to students.

**SPECIAL ACCOMMODATIONS:**

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 two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, extension 1523).

**List of Topics to be Covered this Term**

|  |  |  |
| --- | --- | --- |
| CHAPTER 1 | Equations and Inequalities | Sections 1.5, 1.6 |
| CHAPTER 2 | Graphs | Sections 2.1, 2.2, 2.3, 2.5 |
| CHAPTER 3 | Functions and Their Graphs | All Sections |
| CHAPTER 4 | Linear and Quadratic Functions | Sections 4.1, 4.3, 4.4 |
| CHAPTER 5 | Polynomial and Rational Functions | Sections 5.1, 5.2 |
| CHAPTER 6 | Exponential and Logarithmic Functions | All Sections |
| CHAPTER 8 | Systems of Equations and Inequalities | Sections 8.1, 8.6, 8.7 |

|  |  |  |
| --- | --- | --- |
| Week # | Chapter # | TOPICS |
| Week 1-3 | Chapter 1  Chapter 2  **TEST 1** **on Chapters 1, 2 (6 sections)** | Equations and Inequalities  Graphs |
| Week 4-6 | Chapter 3  **TEST 2** **on Chapters 3 (6 sections)** | Functions and Their Graphs |
| Week 7-11 | Chapter 4  Chapter 5  Chapter 8  **TEST 3 on Chapters 4, 5, 8 (8 sections)** | Linear and Quadratic Functions  Polynomial and Rational Functions  Systems of Equations and Inequalities |
| Week 11-15 | Chapter 6  **TEST 4 on Chapter 6 (9 sections)** | Exponential and Logarithmic Functions |
| Week 16 | **FINAL EXAM** |  |

\*\* **If you are struggling or having questions, please make sure you see me before it is too late \*\***

**NOTICE:**

Changes in the procedures described in this syllabus may be made at the discretion of the instructor.