MAC 1105 – College Algebra	*Spring 2023-Online*
Course Syllabus	*3 credits*

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.

CRN	Class Meeting Times:	Final Exam Date and Time
20085	Fully Online (Canvas/MML)	**Due in MyMathLab by Monday, April 24th, 2023**

Name:	J. Anfinson
Phone:	407-582-1036 (Skype Voicemail available also)
E-mail address:	janfinson@valenciacollege.edu
Office location:	West Campus 4-212
Office Hours:	Monday - Friday: 8:00am-10:00am (Canvas/Email/Zoom)

Required Materials

1) Physical Scientific or Graphing Calculator (not your cell phone).

2) WEBCAM or a LAPTOP with a built-in camera and Google Chrome is needed for tests/exams for HonorLock proctoring via Canvas (no tablets or cell phones).

3) MyMathLab Access for College Algebra, Sullivan, 11th edition, Pearson, 2019

  ➤ Physical book (extra) bundled w/Access Code: ISBN-13: 9780135240816
  ➤ Standalone code (includes required eText): ISBN-13:9780135189887

  *Note: Purchasing from the bookstore (instead of from Pearson directly) may result in slightly different prices and delayed access.

HonorLock

HonorLock is an online proctoring service that operates through Canvas. The service requires you to use a laptop/desktop with a webcam. The platform monitors/records your progress as you take tests/exams in MyMathLab. It records your immediate surroundings and the computer screen to protect the integrity of the online testing process. HonorLock is **required** for this online course for chapter tests and the final exam. If you are unable to use the service or do not accept the policies of the service, you should withdraw from the course.

Attendance

Students are expected to log into Canvas regularly and complete weekly assignments (such as Introductions and Syllabus Quiz in Week 1, view notes/videos, and complete MyMathLab assignments) by the required due dates found in Canvas Course Calendar. To avoid being dropped as a "No Show," students should complete Week 1 Tasks on Canvas "Start Here" page. Additionally, students are expected to complete a special mid-semester assessment in Canvas.

MyMathLab

You are responsible for accessing MyMathLab **during the 1ˢᵗ week of class. You are eligible for "temporary free access" through Pearson directly for 14 days.** Since this MyMathLab course is linked to our Canvas class, you will need to follow these instructions to register for the course **through Canvas**: https://support.pearson.com/getsupport/s/article/MyLab-Mastering-for-Canvas-Student-Registration-and-Sign-In. Once you are registered, you can access MyMathLab via Canvas or directly at: https://mlm.pearson.com/northamerica/?cc.

MyMathLab will be used to:

-Access required online homework, tests and Final Exam.
-Access to the online interactive Etext and additional electronic help tools.
-Access to gradebook, where all your grades are posted and stored.

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.

Important Dates

- Withdrawal Deadline: The deadline for withdrawing from class with a grade of "W," if you are eligible to do so, is on **March 24ᵗʰ for Full Spring 2023** classes. After the deadline you will not be permitted to withdraw yourself from the class. Your professor will NOT withdraw you from the class (after the No Show Period). For a complete Valencia policy overview, visit https://valenciacollege.edu/students/business-office/policies.php

- College Closed: The College will be closed on **January 16ᵗʰ** (MLK Jr. Day), **February 10ᵗʰ** (Learning Day), and **March 13ᵗʰ - 19ᵗʰ** (Spring Break).

Online Tutoring 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. See "Ask a Classmate" Discussion Thread in Canvas.
- Try online tutoring: https://libguides.valenciacollege.edu/distancetutoring

Academic Integrity

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 Academic Honesty policy visit https://valenciacollege.edu/students/disputes/academic-integrity.php

Grading

- Partial credit on tests and other assignments is sometimes given, when appropriate, solely at the discretion of the instructor.
- All grades will be posted in the **MyMathLab Gradebook** (Overall Grade in Canvas).

MyMathLab Homework (20% of Grade)

➢ Completion of homework on a regular basis is crucial to your success in this course.

➢ 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. You can access all MyMathLab homework by going directly to https://mlm.pearson.com/.

➢ Weekly Homework will be **due on SUNDAY NIGHTS by 11:59pm.**

MyMathLab Proctored Chapter Tests (30% of Grade)

There are **5 timed (75 minutes) chapter tests** that together compose your test average. You must complete each test online (in MyMathLab with HonorLock proctoring via Canvas) within the time allotted by the scheduled deadline. Once they are opened, students must complete them in one sitting and they will not be allowed to pause and start over or retake them for any reason.

- Students are strongly encouraged to review homework and take timed "practice tests" (ungraded "quizzes" in MyMathLab) before attempting actual test.
- Every test score will be used; there are NO "dropped" test scores. Missing chapter tests could drops your overall grade *by at least one letter grade.*

Canvas Desmos Activities (30% of Grade)

There are **5 timed Desmos Activities** under "Assignments" in Canvas which should be completed after you have completed your homework and test for each chapter. You must complete each Desmos Activity by the scheduled deadline and are encouraged to create a free account www.student.desmos.com or log in with your Google account to save your work if you wish to complete it in more than one sitting. Missing these activities could reduce your overall grade *by at least one letter grade.*

MyMathLab Proctored Comprehensive Final Exam (20% of Grade)

Students will take a *timed (150 minutes) Final Exam by **Monday, April 24th*** in MyMathLab with HonorLock proctoring via Canvas.

Course Grade Determination

Component	Weight
MyMathLab Homework	20%
MyMathLab Proctored Chapter Tests	30%
Canvas Desmos Activities	30%
Comprehensive Proctored Final Exam	20%

The following scale will be used for graded assignments and for computation of course grade:

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

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.

Special Accommodations and Counseling Resources

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, extension 1523, or https://valenciacollege.edu/students/office-for-students-with-disabilities/)

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. Additional information about Valencia Counseling Resources can be found at: https://catalog.valenciacollege.edu/studentservices/baycarestudentassistanceservices/

Online MAC 1105 Spring 2023 Calendar

Week #	Assigned Tasks/Topics (Notes/Videos in Canvas; HW in MML)	Assignment Deadlines (all due at 11:59pm)
Week 1	Complete Intro. Post Complete Syllabus Quiz 1.2 Quadratic Equations (Review) 1.6 Absolute Value Eqtns./Inequalities 2.1 Distance & Midpoint Formulas	Intro. Post-Due in Canvas : **Wednesday 1/11*** Syllabus Quiz-Due in Canvas: **Saturday 1/14*** Chapter 1/2A Homework-Due in MML: **Sunday 1/15***
Week 2	2.2 Graphs-Intercepts & Symmetry 2.4 Circles 2.5 Variation Review for Test 1	Chapter 2B Homework-Due in MML: **Sunday 1/22** *(Valencia Campuses Closed on 1/16)*
Week 3	Take Test 1 (Ch. 1/2) Complete Desmos Activity 1 3.1 Intro. to Functions (Review) 3.2 Graphs of Functions	Proctored Test 1 (Ch. 1/2)-Due in MML: **Mon. 1/23** Desmos Activity 1-Due in Canvas: **Tues. 1/24** Chapter 3A Homework-Due in MML: **Sunday 1/29**
Week 4	3.3 Properties of Functions 3.4 Library of Functions	Chapter 3B Homework-Due in MML: **Sunday 2/5**
Week 5	3.5 Graphing Transformations 3.6 Mathematical Modeling Review for Test 2	Chapter 3C Homework-Due in MML: **Sunday 2/12** *(Valencia Campuses Closed on 2/10)*
Week 6	Take Test 2 (Ch. 3) Complete Desmos Activity 2 4.1 Linear Functions & Modeling 4.3 Quadratic Functions	Proctored Test 2 (Ch. 3)-Due in MML: **Mon. 2/13** Desmos Activity 2-Due in Canvas: **Tues. 2/14** Chapter 4A Homework-Due in MML: **Sunday 2/19**
Week 7	4.4 Quadratic Modeling 4.5 Quadratic Inequalities	Chapter 4B Homework-Due in MML: **Sunday 2/26**
Week 8	8.6 Systems of Nonlinear Equations 8.7 Systems of Inequalities Review for Test 3	Chapter 8 Homework-Due in MML: **Sunday 3/5**
Week 9	Take Test 3 (Ch. 4/8) Complete Desmos Activity 3 5.1/5.2 Polynomial Functions 5.3 Properties of Rational Functions	Proctored Test 3 (Ch. 4/8)-Due in MML: **Monday 3/6** Desmos Activity 3-Due in Canvas: **Tues. 3/7** Chapter 5A Homework-Due in MML: **Sunday 3/12** *(Valencia Campuses on 3/13 through 3/19)*

Week 10	5.4 Graphing Rational Functions 5.5 Polynomial & Rational Inequal. Review for Test 4	Chapter 5B Homework-Due in MML: **Sunday 3/26**
Week 11	Take Test 4 (Ch. 5) Complete Desmos Activity 6.1 Composite Functions 6.2 Inverse Functions	Proctored Test 4 (Ch. 5)-Due in MML: **Monday 3/27** Desmos Activity 4-Due in Canvas: **Tues. 3/28** Chapter 6A Homework-Due in MML: **Sunday 4/2**
Week 12	6.3 Exponential Functions 6.4 Logarithmic Functions 6.5 Properties of Logarithms	Chapter 6B Homework-Due in MML: **Sunday 4/9**
Week 13	6.6 Logarithmic & Exp. Equations 6.8 Exponential Growth & Decay Review for Test 5	Chapter 6C Homework-Due in MML: **Sunday 4/16**
Week 14	Take Test 5 (Ch. 6) Complete Desmos Activity 5 Finish any remaining homework Review for Final Exam	Proctored Test 5 (Ch. 6)-Due in MML: **Monday 4/17** Desmos Activity 5-Due in Canvas: **Tues. 4/18**
Finals Week	Take Final Exam	Proctored Final Exam-Due in MML: **Monday 4/24**

*<u>Note</u>: Skipping Week 1 Assignments will result in being dropped from the class.