

***MAC 1105 College Algebra Online (26811)***

***Downtown Campus***

***Course Syllabus***

***Spring Term - 2020***

*Professor Ryan Sandefur*

**Instructor Information:**

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| **Name** | Ryan Sandefur |
| **Office Phone** | 1-407-582-1794 |
| **Cell Phone** | 1-407-900-8378 (Text Only, Please not after 8 pm) |
| **Email**  | rsandefur@valenciacollege.edu  |
| **Office Location** | DPAC 340N |
| **Office Hours** | Monday/Wednesday: 11:30 am -1:00 pm (in office); 4:00-4:30 (Virtual Hours)Tuesday/Thursday: 2:00-2:30 am (in office); 4:00-4:30 pm (in office) Friday: 10:00 am-2:00 pm (Virtual Hours) |

**College Contact Information:**

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| **Executive Dean, DTC:** Dr Eugene Jones | (407) 582 - 5008 |
| **Learning Support Services, Manager:** Ning Christopher | (407) 582 - 1120 |
| **Instructional Math Lab Supervisor:** Jennifer Nelson | (407) 582 - 3508 |

# Learning Support Center:

Tutoring Center (DPAC 330) & Writing Center (DPAC 320)

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| **Days** | **Times** |
| **Monday – Thursday**  | 9:00 AM – 9:00 PM |
| **Friday** | 9:00 AM – 3:00 PM |
| **Saturday** | CLOSED |
| **Sunday** | 1:00 PM – 5:00 PM |

**Course Description**

This course is based on the study of functions and their role in problem solving. Topics include the study of linear functions, quadratic functions, exponential functions, and inverse functions. Students will be required to solve applied problems and communicate their findings effectively. Technological tools will be utilized in addition to analytical methods. A minimum grade of C is required if MAC1105 is used to satisfy the Gordon Rule and general education requirements.

**Course Prerequisites**

Students registered for this course must have completed MAT 1033 with a C (2.0) or better or an appropriate score on an approved assessment.

**Learning Outcomes**

Upon completion of this course, students should be able to

* Read and comprehend quantitative information describing real world situations at the college algebra level.
* Use algebra to model real world situations.
* Recognize the mathematical function concept and describe relationships between variables in real world situations; Use functions expressed verbally, numerically, graphically, and symbolically.
* Given the graph of a function, write its algebraic equation. Given an algebraic equation of a function, graph the function or a transformation of the function.
* Recognize, model, and analyze linear, quadratic, exponential, and logarithmic functions in real world situations.
* Given several concurrent quantitative conditions, express each condition algebraically, and find all possible solutions of the resulting system.

**Required Texts and Materials**

#### REQUIRED: MyMathLab (MML) Student Access Kit

Purchasing Options:

* A custom Valencia/UCF MML Access Kit can be purchased at the bookstore at a discounted rate.
* Or, instance access can be purchased through MyMathLab with a debit or credit card.

#### RECOMMENDED CALCULATOR: TI-84+ or approved (Non-CAS) graphing calculator.

A graphing calculator that does not perform symbolic manipulations is strongly **recommended**. The TI-84+ is used for in-class demonstrations and is particularly recommended. If you choose not to use a graphing calculator, you may need to use other technologies such as Excel or Desmos.com to do certain homework problems.

#### OPTIONAL TEXTBOOK:

College Algebra, Sullivan, 11th edition, Pearson, 2020

ISBN-13: 9780135240816 (Book with MyMathLab Access Code Included)

*Note: A virtual copy of the textbook is available through MyMathLab, so a physical textbook is not necessary. If you wish to buy a physical textbook, please speak to the instructor for additional purchasing options.*

**Course Components: Participation and Final Exam**

* Attendance is recorded based on your activity doing work in MyMathLab. The Syllabus Quiz assignment must be completed by August 30th to avoid being reported as a No Show and dropped from the course.
* This course requires a PROCTORED FINAL EXAM. The final exam is password protected and must be taken at a Valencia College Testing Center (unless another testing location is approved by the instructor—see policy below\*\*).
* The final exam is cumulative and counts 30% of your overall grade.
* Walk-in exams are generally allowed at Valencia College Testing Centers. However, you are responsible for making sure you take the exam before the end of finals week (April 20-25). You have a maximum of 2.5 hours to complete the exam.
* The final exam must be taken on or before April 25, no exceptions!

**GRADING POLICY**

* All course work (homework, quizzes, exams) are assigned in MyMathLab. Each unit has specific due dates that coincide with my in-person lecture courses.
* Technical Problems such as power outages and unavailability of Internet connections can happen. Do not wait until the last minute to complete your assignments. **Technical problems are not grounds for a due date extension**. Complete each unit BEFORE the deadline to anticipate issues,

**MyMathLab Quizzes = 10%**

Quizzes are assigned in each unit in MyMathLab. Refer to the daily topics and MyMathLab for specific due dates. It is the student’s responsibility to stay on top of due dates. Students will have two attempts at each quiz completed in MyMathLab. The higher of the two scores will count toward the quiz grade. Quiz due dates **will not** be extended under any circumstances. The average of all quiz grades will make up 10% of your overall grade.

**MyMathLab Homework = 20%**

* Homework is assigned in MyMathLab (MML) for each section covered. Refer to the Daily Topics for a list of all homework assignments and due dates. Due dates are also shown in MML for each assignment.
* Homework can be completed after the due date for a **20% penalty per day (which means there is no credit after 5 days late**.
* Completion of homework on a regular basis is crucial to your success in this course. It is your responsibility to stay on top of due dates.
* Please use the Ask the Instructor feature in MML to email your instructor about specific homework question. You are also encouraged to seek assistance from the instructor during office hours if you encounter difficulties or visit the Math Lab tutoring (Upper level math tutoring is available in the rooms on the left of the lab entrance. The main lab area is for developmental math tutoring only. Math Lab hours are on page one of the syllabus).

**Unit Exams = 40%**

Five scheduled unit exams are assigned in MyMathLab. You only have **one attempt** for each unit exam, so be sure to study any practice exams or review that I make available before taking the exam.

Each exam is timed at **2 hours** and must be completed in one sitting. Exams cannot be

**Final Exam = 30%**

A cumulative final exam is REQUIRED and must be PROCTORED at a Valencia Testing Center--no exceptions other than documented military deployment. This means under no other circumstances can the test be taken at home. If you will be out of town during finals week, plan to take the final exam at Valencia College early. The final exam must be taken in order to pass this course. The final exam is worth 30% of your grade. **You will need your Valencia ID to present at the testing center (Driver’s Licenses are not accepted).**

**Grading Policy**

|  |  |
| --- | --- |
| Assessment | Percent of Final Grade |
| Homework | 20% |
| Quizzes | 10% |
| 5 Exams  | 40% |
| Final Exam  | 30% |
| Total | 100% |

**Grading Scale**

All grades will be truncated after two decimal places and rounded accordingly.

|  |  |
| --- | --- |
| Percentage | Grade |
| 90%-100% | **A** |
| 80% - 89% | **B** |
| 70% - 79% | **C** |
| 60% - 69% | **D** |
| 0% - 59% | **F** |

**Make-Up Policy:**

All homework assignments, quizzes and exams must be completed by the unit due dates. Homework can be completed after the due date for a 20% deduction per day late (after 5 days no credit will be awarded). Quizzes cannot be completed after the due date and will be assigned a zero. Unit exams cannot be completed late.

**Course Withdrawal**

* Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who does not attend class during the first week of class will be dropped from the course by the instructor.
* Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the withdrawal deadline will receive a grade of “W.”
* A student is not permitted to withdraw after the withdrawal deadline without the written consent of the professor. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. Professor Sandefur will not allow any withdrawals after

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 policy and procedure overview on Valencia Policy 4-07 please go to: <http://valenciacollege.edu/generalcounsel/policy>

**Academic *Honesty***

You must do your own work in the class. While you may receive tutoring on homework and learning materials, all quizzes and exams must be completed on your own. Cheating of any form will be cause for **immediate removal from this class, a course grade of F and referral of this incident to the Dean of Student Affairs/Mathematics**. 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.**

**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; Downtown Campus: Danelle Maschhoff, Testing & Accessibility Office, Union West #210).

**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.

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

***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. This practice is highly recommended.
* Learning support for mathematics can be found in
* DPAC 330 (materials for check-out with your VCC identification card)
	+ **A TI-84 Plus calculator may be borrowed from the Learning Support Center** in DPAC 330.
* DPAC 330 (walk-in tutoring for mathematics)
* Peer tutors in 330 (Learning Support Center) are available for walk-in assistance, no appointment necessary. 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.

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.

**Other policies & Information:**

**Computer/Equipment Use Policy:** This course relies on the use of technology to aid in your learning. You are expected to check Canvas and your e-mail at least once before class to ensure that you have the most current information. Computers are available on campus if you do not own one.

**E-mail Communication Policy:** The instructor will only correspond with you through your atlas e-mail only. Students are expected to check their atlas e-mail daily. The instructor may send updates, announcements, changes, etc. to your atlas e-mail. Students are responsible for all messages sent to your atlas e-mail by the instructor. The instructor will not correspond with any other e-mail account, PDA, or cell phone. All e-mail correspondence must originate from your Valencia account. Grades are discussed by appointment only or through your atlas e-mail. All e-mail by students and the instructor should be respectful and professional. Students should identify their name, class that they are in, and a complete message using respectful language, complete sentences, and proper grammar. A subject line is mandatory.

**Valencia ID card:** Your student ID card can be obtained in the Student Development office on any Campus once you have registered and paid for your classes. You will need your student ID card to access campus services such as the Library and Testing Center. The first student ID card is free. There is a $5 fee for a replacement card. Student IDs can be used for library access, testing purposes and discounts in the community.