

202230 Intermediate Algebra MAT-1033C

Course Syllabus

Summer - Full Term - 2022

Professor Cesar Leal Ferreira, PhD

Class Information:

CRN	Mode	Time of Meetings	Campus
34137	Online	N/A	Downtown Valencia/UCF Campus (DTC)

Important College Contacts

Executive Dean, DTC: Dr. Eugene Jones - 407-582-5508

Learning Support Services, Manager: Ning Christopher - 407-582-1120

Instructional Math Lab Supervisor: Jennifer Nelson - 407-582-3508

Instructor Information & Contacts

Name: Cesar Leal Ferreira

Email: cferreira4@valenciacollege.edu

Preferred contact method: Canvas Inbox Mail

Office Hours (online, by Zoom meeting):

Since it is an Online course, the office hours will be online, by appointment. Students have to send a Canvas Inbox message to the instructor, asking for a Zoom meeting, suggesting day and time. The focus of the meetings will be helping students on their assignments, but anything related to the course may be discussed.

Cross-listed Course

The Downtown Campus is a partnership between Valencia College and UCF. Some of the offered courses are cross-listed, meaning that it is open for enrollment to students of both institutions. As a result, policies, resources and materials may differ from courses taught at other Valencia or UCF campuses. Be aware that **this is a cross-listed Downtown Campus course.**

Distance Tutoring & Technology Support at Valencia

You can easily access Valencia's **free** distance tutoring and tech support from a computer, laptop, or mobile device. Distance tutoring services are provided fully online via Zoom. Through this service, you will receive real-time assistance via a Valencia tutor. Click here to access the Getting Started Guide to Online Tutoring with Zoom: [Link](#).

Online Learning Technology Support services are also available. Students can receive assistance with navigating: Canvas, OneDrive, Zoom, YouTube, and Microsoft Office (Word, Excel, & PowerPoint). Tech support is available live (on-demand) via Zoom, by appointment, or via email. Students are encouraged to use the 24/7 Canvas Help located inside Canvas by clicking on the "Help" icon.

To get started using the Distance Tutoring and Learning Technology Support services, please visit www.valenciacollege.edu/tutoring. Through this site, you can view the schedule of tutors/tech support assistants, find available times, learn more about the services, and access a collection of supplemental resources that are available 24/7.

Hours of Operation:
Monday-Friday: 8 am – 10 pm
Saturday & Sunday: 9 am – 7 pm

Course Description and Structure

Structure: Lecture

Catalog Description: This course presents algebraic skills for MAC 1105. Topics include linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introductions to functions, factoring, algebraic functions, rational equations, radicals, rational exponents, complex numbers, quadratic equations, scientific notation, applications of the above topics and the communication of mathematics. Applications emphasizing connections with disciplines and the real world will be included. This course carries general elective credit but does not satisfy either Gordon Rule or general education requirements.

Major Topics/ Concepts/ Skills/ Issues

Factoring
Algebraic Fractions
Radicals and Rational Exponents
Complex Numbers
Quadratic Equations
Rational Equations
Linear Equations in Two Variables and Their Graphs
Systems of Linear Equations and Inequalities
Introduction to Functions
Applications of the Above Topics
Graphing Utilities

Required Textbook(s) & Materials

REQUIRED: MyLab Math Online Access Kit for students

Purchasing Options: Access MUST be purchased by one of the following methods

- Purchase a custom Valencia/UCF MyLab Math Access Kit at the [DTC bookstore](https://ucf-vc.bncollege.com/shop/ucf-valencia/home) at discounted rate through website: <https://ucf-vc.bncollege.com/shop/ucf-valencia/home>
--OR--
- Purchase instance access through MyLab Math with a debit or credit card.
- Important Note: For this course, MyLab Math can only be accessed via the “**MyLab and Mastering**” menu item in Canvas; therefore, there is **NO COURSE ID**. Do not try to access the course via the MyLab Math website, as it will not work—it can **only** be accessed through Canvas.

Note: A virtual copy of the textbook is available through MYLAB MATH, so a physical textbook is not necessary.

SUGGESTED CALCULATOR: It is recommended to have and know how to use a scientific calculator (any model) for this course. If student is interested in purchasing one that will be applicable also in future courses, the following are suggested:

- **TI-84+** or approved (Non-CAS) graphing calculator. This is recommended if you must take MAC 1105 or STA 2023.
- **--OR--**
- **TI-30XIIS** or another approved scientific calculator.

Course Components

Attendance

- Attendance will be taken based on your course activity in MYLAB MATH.
- A student's Last Date of Attendance is determined by the last date of activity in MYLAB MATH.

Homework

- Homework is assigned in MyLab Math for each section covered. Refer to the MAT 1033C schedule attached (Weekly Topics) for a list of all homework assignments and due dates. Due dates are also shown in MYLAB MATH for each assignment.
- Homework can be completed after the due date for a **10% penalty** per day. (So, homework beyond ten days late can still be completed, but no credit will be awarded).
- The **Canvas Inbox** message is the most effective way to contact your instructor about individual homework questions.

Study Plan (virtual lab)

This course has a mandatory "Lab" component defined by **WEEKLY** Study Plan. Each week's "Lab" points are determined by completion of MYLAB MATH Study Plan Mastery Points. Grades for Lab minutes are awarded as follows:

- Full Credit if the minimum Mastery Points are achieved
- Partial Credit may be awarded if the minimum Mastery Points are not achieved.

Note: The Study Plan (virtual lab) is a good opportunity to get advantage of the Distance Tutoring (via Zoom – [Link](#)). It is a good chance of learning and improving your grade!

Exams:

This course includes 5 Mastery Tests and one comprehensive final exam. Mastery Tests account for 30% of your course grade, and the final exam will represent 20% of your course grade. **Tests and Final Exams may be completed remotely (off campus or at home), using HONORLOCK Proctoring Solution.** All exams are completed and graded in MyLab Math. However, the instructor may require you to submit your handwritten work via Canvas, so make sure you have the technology necessary to scan/upload your work.

Mastery Tests: (1 Attempt, 90-minute time limit)

- **To unlock each Mastery Test, ONE* of the following requirements must be met:**
 1. Achieve the minimum Mastery Points on the Study Plan for the unit.

---OR---

2. Score at least an 80% on EACH homework assignment in the unit.

* Students have to complete both, Study Plan and Homework, to have full grade. The option of one or another is just to unlock the Mastery Test.

Final Exam: (1 Attempt, 150-minute time limit)

- **The Final Exam must be taken to pass this course** and must be completed during the Final Exam Week (check “Weekly Topics” document for schedule).

The HONORLOCK proctoring solution will be used, which requires:

- A laptop or desktop computer with a microphone (not a tablet or phone) .
- A webcam.
- Reliable Internet connection .
- Photo identification in the form of a Valencia-issued student ID card or government-issued ID card (i.e. driver’s license, passport).
- [Google Chrome](#) downloaded (required browser).
- [Honorlock Chrome Extension](#) downloaded.

Support access is built into Honorlock in real-time. If you encounter any issues during an exam, you can contact support by live chat within the Honorlock window in Canvas, by phone (855-828-4004), and/or by email at support@honorlock.com. For answers to common questions on online proctoring, visit the [Student FAQ](#) page or Honorlock’s [student information website](#).

Grading Policy

Assessment	Percentage of Overall Grade
Orientation and Video Lectures	10%
Homework	25%
Study Plan (Lab Minutes)	15%
Mastery Tests	30%
Final Exam	20%
Total	100%

All grades will be calculated to the nearest tenth and rounded appropriately.

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

Make-Up Policy

Requests to make-up assignments and tests will only be considered before the Final Exam week, with outstanding and documented reason (medical condition, for example).

- For the sake of clarity, if students do not complete an assignment or test by the due date, a zero score will be automatically assigned for each incomplete question. Homework can be completed after the due date for a **10% penalty** per day on the questions completed after due date.
- The best practice is to contact the instructor BEFORE the due dates, if you experience any difficulties in meeting any deadlines.
- In the case of a prolonged online absence due to illness, family emergency or any other extreme situation, communicate with me as soon as possible to create a plan for the best course of action.

Withdraw Policy

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.”
 - **Important Dates and Deadlines, including withdrawal dates, may be found here:** <https://valenciacollege.edu/academics/calendar/>
- A student is not permitted to withdraw after the withdrawal deadline.
- **Important Note:** The professor CANNOT withdraw students of the Downtown Campus - if needed, it is up to the student to process it.

Academic Honesty

For the sake of clarity, plagiarism or cheating of any form will be cause for **immediate dismissal from this class, a course grade of F and referral to the Dean of Student Affairs/Mathematics**. Cheating is defined by any behavior that can be construed as blatant dishonesty as: 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, or not following proper procedures for taking a test as prescribed by the instructor. **Cheating is not aligned with our values and expectations, therefore will not be accepted in any form.**

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 proper documentation of disabilities (Danelle Maschoff, 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.

Conduct - Valencia Student 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**. To help you acquire and improve your ability to show 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.

Electronic Communication Policy

The instructor will only correspond with you through your Atlas e-mail or **Canvas (preferably)** only. Students are expected to **check Canvas inbox and announcements every weekday**. Students are expected to read and follow instructions sent by the instructor on time. The instructor will not correspond using other means as PDA, cell phone, SMS, Social Medias, or replying to non-Valencia mail accounts. All electronic communications should be respectful and professional. Students are encouraged to use complete sentences and proper grammar, but mistakes will not be judged or graded at all.

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. If you experience any technical issues, call the support number below.

Canvas Help Desk: (407) 582-5600 or visit <https://valenciacollege.edu/students/learning-support/>

ATLAS Student Help Desk: (407) 582-5444 or <https://valenciacollege.edu/about/support/>

OIT Help Desk: (407)-582-5554

Valencia College: Laptop Loan Program

Valencia is currently loaning laptops to students in need who are registered for the semester. You can request a laptop by completing the request form at <https://valenciacollege.edu/laptop> . This link will take you to the Atlas log-in screen, and then to the form. Laptops are distributed on a first come-first served basis, so if you are in need, request a laptop early!

Attachment: MAT1033C schedule - Weekly Topics - Summer 2022

MAT 1033C - Weekly Topics - Dr. Leal

SCHEDULE ONLINE SUMMER 2022

Dates		Due Dates (Due: 11:59 pm)
Week 1	May 9 to 15	
	<i>Watch "Welcome" video & answer questions.</i>	May 13
	2.1 Linear Equations	May 15
	2.2 Problem Solving	May 15
	2.3 Formulas and Problem Solving	May 15
Week 2	May 16 to 22	
	2.4 Linear Inequalities	May 22
	2.5 Compound Inequalities	May 22
	2.6 Absolute Value Equations	May 22
	<i>Complete Study Plan for Mastery Test 1</i>	May 22
	Mastery Test 1	May 22
Week 3	May 23 to 29	
	3.1 Graphing Equations	May 29
	3.2 Introduction to Functions	May 29
	3.3 Graphing Linear Functions	May 29
Week 4	May 30 to Jun 5	
	3.4 The Slope of a Line	Jun 5
	3.5 Equations of Lines	Jun 5
	3.7 Graphing Linear Inequalities	Jun 5
	<i>Complete Study Plan for Mastery Test 2</i>	Jun 5
	Mastery Test 2	Jun 5
Week 5	Jun 6 to 12	
	4.1 Solving Systems of Linear Equations in Two Variables; Applications	Jun 12
	4.3 Systems of Linear Equations and Applications	Jun 12
	5.7 Factoring by Special Products	Jun 12
Week 6	Jun 13 to 19	
	6.1 Multiplying & Dividing Rational Expressions	Jun 19
	6.2 Adding & Subtracting Rational Expressions	Jun 19
	6.3 Simplifying Complex Fractions	Jun 19
	<i>Complete Study Plan for Mastery Test 3</i>	Jun 19
	Mastery Test 3	Jun 19
Week 7	Jun 20 to 26	
	6.4 Dividing Polynomials: Long Division	Jun 26
	6.5 Solving Equations with Rational Expressions	Jun 26
	6.6 Rational Equations & Problem Solving	Jun 26
Week 8	Jun 27 to Jul 3	
	7.1 Radicals and Radical Functions	Jul 3

	7.2 Rational Exponents	Jul 3
	7.3 Simplifying Radical Expressions	Jul 3
	<i>Complete Study Plan for Mastery Test 4</i>	Jul 3
	Mastery Test 4	Jul 3
Week 9	Jul 4 to 10 (Jul 4 – Independence Day)	
	7.4 Adding, Subtracting & Multiplying Radical Expressions	Jul 10
	7.5 Rationalizing Denominators and Numerators of Rational Expressions	Jul 10
	7.6 Radical Equations and Problem Solving	Jul 10
Week 10	Jul 11 to 17	
	7.7 Complex Numbers	Jul 17
	8.1 Solving Quadratic Equations by Completing the Square	Jul 17
	8.2 Solving Quadratic Equations by the Quadratic Formula	Jul 17
Week 11	Jul 18 to 24	
	8.6 Quadratic Functions and Their Graphs	Jul 24
	<i>Complete Study Plan for Mastery Test 5</i>	Jul 24
	Mastery Test 5	Jul 24
Week 12	Jul 25 to 30	
	Final Exam	Jul 25 - 30

* Homework may be completed after the due date with a 10% penalty per day.

**This course has a required lab component. For this course, the lab components are weekly assignments that primarily consist of Study Plan assignments but may include other assignments or activities.