

**202310 Intermediate Algebra MAT-1033C-15899**

**Course Syllabus**

**Fall - Full Term - 2022**

**Professor Cesar Leal Ferreira, PhD**

**Class Information:**

CRN	Mode	Time of Meetings	Campus
15899	F2F	T & R, 2:30 to 03:45 pm	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](mailto:cferreira4@valenciacollege.edu)

Preferred contact method: Canvas Inbox Mail

**Office Hours:**

The instructor doesn't hold Office Hours. If any student need to discuss any academic matter, it is possible to schedule a chat right before or after classes. Another option to schedule a Zoom meeting, if necessary, by sending a Canvas Inbox message to the instructor.

**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](http://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

**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://dtc.valenciacollege.edu/bookstore) 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 not necessary to use a specific calculator for this course. If student is interested in purchasing one that will be applicable also in future courses, the following are the suggestions.

- **TI-30XIIS** or another approved scientific calculator.

## Course Components

### Attendance

- Attendance will be taken each class period.
- You are expected to be in class on time and to remain in class for the entire period. If you are not present when roll is taken or leave before class is dismissed you will be considered **tardy (1/2 absence)**.
- In general, aside from jury duty and military duty, all absences are counted equally toward to the attendance policy. Absences are excused solely at the discretion of the instructor, who may require that you prove the existence of extenuating circumstances before excusing any absence(s).
- You are responsible for any information and/or assignments given during class, whether you are present or not.
- In-class activities cannot be “made up.”

### Homework

- Homework is assigned in MyLab Math for each section covered. Refer to the MAT 1033C Daily 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 five days late can still be completed, but no credit will be awarded).

**Lab Attendance:** This course has a mandatory lab component. Each student must spend a minimum of 50 minutes in the Learning Support Center (DPAC 330). Each student must log-in (or sign-in) at the front desk to receive credit for lab attendance

**Final Exam:** A cumulative final exam will be given on **(See Course Schedule attached)** in the same classroom. The final exam must be taken in order to pass this course. The final exam is worth 20% of your grade.

**The HONORLOCK proctoring solution will be used, when necessary, 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](mailto: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
Attendance	5%
Homework	30%
Lab Minutes	15%
Unit Exams (Mastery Tests)	30%
Final Exam	20%
Total	100%

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

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

## 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 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.
- Make-Up Final Exam is not permitted.

## 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

To set up a productive environment, where students learn from their work on assignments and assessments, where instructors can provide meaningful feedback that would help students' improvement, it is important to promote academic honesty. Plagiarism or cheating is extremely damaging to this environment. Possible consequences are **immediate removal from the class, an overall grade "F" and referral of the incident to the Dean of Student Affairs/Mathematics**. Examples of behavior that can be construed as cheating are: 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.

**One important procedure** to safeguard academic honesty is to keep only allowed material in the student's desk when taking a Test or Exam. Face-to-face and Online students should follow the Test and Exam procedures. Online students will use Honorlock and should adjust the webcam to show their workspace (desk, pen, pencil, scratch paper, hands) rather than the student's face. **DEVICES ARE NOT ALLOWED** (other than the one where the student is running Honorlock). Failing to correctly adjust the webcam will be warned, on the first scheduled assessment, and will result in a zero grade on the next assessments.

## 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 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.

## Conduct - Valencia Student Core Competencies

- You are encouraged to actively participate and ask pertinent questions during class. Courtesy will be observed at all times.

- 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.
- **Cell phones, pagers, or other devices that are audible are not permitted to be on during class. Texting is not permitted during class.** Unplug yourself and make the most of class time! Personal electronic devices disrupt your learning as well as the learning of other students.
- 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 a determination is made on whether you will be attending class again.

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.

## Recording Lectures

Students may record video and/or audio of class lectures for their personal use. Recordings may be a useful tool to support your learning and provide a resource for review. It is important to be respectful of your peers' rights to privacy; with that in mind, please refrain from recording your peers during lectures. You may not record class discussions, student presentations, labs, group work, and private conversations. Further, you may not publish or share recordings without my written consent, nor may you provide recordings to classmates as a substitution for class participation and attendance. If necessary, I will handle violations of this section through the College's Student Code of Conduct.

## 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 week**. 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

### **Amendment**

These policies may be amended in favor of the student's success in the course at the instructor's discretion.

### **Questions**

Students are welcomed to ask any questions regarding this Syllabus, using my contact information (Canvas inbox or email).

### **Attachment: Course Schedule**

**MAT 1033C (15899) – FALL 2022**  
**TUESDAY/THURSDAY 2:30 – 3:45 PM**

Dates	Assignment Name	Due Dates (Due @ 2:30 PM)
<b>Week 1</b> 8/23 8/25	<b>Lab 1 worksheet: Orientation</b>	9/6
	2.1 Linear Equations	
	2.2 Problem Solving	
<b>Week 2</b> 8/30 9/1	<b>Lab 2 worksheet: A Calculated Approach</b>	9/8
	2.3 Formulas and Problem Solving	
	2.4 Linear Inequalities	
<b>Week 3</b> 9/6 9/8	<b>Lab 3 worksheet: Linear Inequalities Review</b>	9/15
	2.5 Compound Inequalities	
	Review Ch 2	
<b>Week 4</b> 9/13 9/15	<b>Lab 4 worksheet: Graphing Linear Equations</b>	9/22
	<b>Mastery Test 1</b>	
	3.1 Graphing Equations	
<b>Week 5</b> 9/20 9/22	<b>Lab 5 worksheet: Finding Special Patterns with Functions</b>	9/29
	3.2 Introduction to Functions	
	3.3 Graphing Linear Functions	
<b>Week 6</b> 9/27 9/29	<b>Lab 6 worksheet: What's the Equation</b>	10/6
	3.5 Equations of Lines	
	3.7 Graphing Linear Inequalities	
<b>Week 7</b> 10/4 10/6	<b>Lab 7 worksheet: Cross Number Factoring</b>	10/18
	<b>Mastery Test 2</b>	
	5.7 Factoring by Special Products	
<b>Week 8</b> 10/11 10/13	<b>Lab 8 worksheet: What makes you think this is rational??</b>	10/20
	6.2 Adding & Subtracting Rational Expressions	
	6.3 Simplifying Complex Fractions	
<b>Week 9</b> 10/18 10/20	<b>Lab 9 worksheet: Is this the end of rational thinking?</b>	10/27
	6.4 Dividing Polynomials: Long Division	
	6.5 Solving Equations with Rational Expressions	
<b>Week 10</b> 10/25 10/27	<b>Lab 10 worksheet: I remember it well!</b>	11/3
	<b>Mastery Test 3</b>	
	7.1 Radicals and Radical Functions	

Last Date to withdraw: 10/28 for UCF students and Valencia students. Withdrawals are not allowed for any reason on the downtown campus after these dates. This is policy specific to the Downtown Campus.



Week <b>11</b> 11/1 11/3	<b>Lab 11 worksheet: Mixed Review with Square Roots</b>	11/10
	7.3 Simplifying Radical Expressions	
	7.4 Adding, Subtracting & Multiplying Radical Expressions	
	7.5 Rationalizing Denominators and Numerators of Rational Expressions	
Week <b>12</b> 11/8 11/10	<b>Lab 12 worksheet: Mixed Practice with Radicals</b>	11/17
	7.6 Radical Equations and Problem Solving	
	7.7 Complex Numbers	
	<b>Mastery Test 4</b>	
Week <b>13</b> 11/15 11/17	<b>Lab 13 worksheet: Complex Number Worksheet</b>	11/29
	5.8 Solving Equations by Factoring	
	8.1 Solving Quadratic Equations by Completing the Square	
	8.2 Solving Quadratic Equations using the Quadratic Formula	
Week <b>14</b> 11/22 11/24	<b>Lab 14 worksheet: Solving Quadratic Equations Review</b>	12/1
	8.6 Quadratic Functions and Their Graphs	
	<b>Thanksgiving Break—No Class</b>	
Week <b>15</b> 11/29 12/1	<b>Lab 15 work: Global review on MyLab Math</b>	12/6
	4.1 Solving Systems of Linear Equations in Two Variables; Applications	
	4.3 Systems of Linear Equations and Applications	
	<b>Gen Ed Assessment (as Mastery Test 5)</b>	
<b>**Finals Week**</b>		
12/5-9	<b>Final Exam: Tuesday, December 6<sup>th</sup> 2:30 – 5:00 pm</b>	

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

\*\*You are required to spend 50 minutes per week in the Learning Support Center (DPAC Room 330). The full 50 minutes (or more) must be recorded by logging into the Learning Support Center to receive weekly credit. Anything less than 50 minutes will receive no credit.