

**202120 Intermediate Algebra MAT-1033C**

**Course Syllabus**

**Fall - Full Term - 2021**

**Professor Cesar Leal Ferreira**

**Class Information:**

CRN	Mode	Time of Meetings	Campus
15676 & 18259	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](mailto:cferreira4@valenciacollege.edu)

Preferred contact method: Canvas Inbox Mail

Phone for emergencies: 407-582-3521 (Catrina Semakula, Staff Assistant)

**Office Hours (online, by Zoom meeting):**

Since it is an Online course, the office hours will be online, by Zoom meeting. The instructor will be **available Fridays, from 4 to 5pm**. Students have to send a Canvas Inbox message, confirming participation on the meeting, at least 30 minutes before the meeting. The focus is helping students on their assignments, but anything related to our course may be discussed.

The meetings are **optional**, there will be no grading associated to it, although experience has shown **significant improvement in grades** of students who take advantage of the resource.

**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

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 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-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 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 five days late can still be completed, but no credit will be awarded).
- The **Ask the Instructor** feature in MYLAB MATH 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 7 Mastery Tests and one comprehensive final exam. Mastery Tests account for 40% 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](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
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%	<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 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 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

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 Weekly Topics Fall 2021

## MAT 1033C Weekly Topics Fall 2021 - Mr. Leal Ferreira

<b>MAT 1033C – SCHEDULE - DAILY TOPICS ONLINE FALL 2021</b>		
Dates		Due Dates (Due: 11:59 pm)
<b>Week 1</b>	<b>Aug 23 to 29</b>	
	<i>Watch "Welcome" video &amp; answer questions.</i>	Aug 29
	<i>Set Up MyLab Math Course &amp; complete First MyLab Math assignment.</i>	Aug 29
	<i>Complete Lab Quiz at 100%</i>	Aug 29
	<i>Complete Orientation Module</i>	Aug 29
<b>Week 2</b>	<b>Aug 30 to Sep 5</b>	
	2.1 Linear Equations	Sep 5
	2.2 Problem Solving	Sep 5
	2.3 Formulas and Problem Solving	Sep 5
	<i>Complete Study Plan for Mastery Test 1 (Weeks 1 and 2)</i>	Sep 5
	<b>Mastery Test 1</b>	Sep 5
<b>Week 3</b>	<b>Sep 6 to 12 (Labor day)</b>	
	2.4 Linear Inequalities	Sep 12
	2.5 Compound Inequalities	Sep 12
	2.6 Absolute Value Equations	Sep 12
<b>Week 4</b>	<b>Sep 13 to 19</b>	
	3.1 Graphing Equations	Sep 19
	3.2 Introduction to Functions	Sep 19
	3.3 Graphing Linear Functions	Sep 19
	<i>Complete Study Plan for Mastery Test 2 (Weeks 3 and 4)</i>	Sep 19
	<b>Mastery Test 2</b>	Sep 19
<b>Week 5</b>	<b>Sep 20 to 26</b>	
	3.4 The Slope of a Line	Sep 26
	3.5 Equations of Lines	Sep 26
	3.7 Graphing Linear Inequalities	Sep 26
<b>Week 6</b>	<b>Sep 27 to Oct 3</b>	
	4.1 Solving Systems of Linear Equations in Two Variables; Applications	Oct 3
	4.3 Systems of Linear Equations and Applications	Oct 3
	<i>Complete Study Plan for Mastery Test 3 (Weeks 5 and 6)</i>	Oct 3
	<b>Mastery Test 3</b>	Oct 3
<b>Week 7</b>	<b>Oct 4 to 10</b>	
	Factoring Review homework	Oct 10
	5.7 Factoring by Special Products	Oct 10
	6.1 Multiplying & Dividing Rational Expressions	Oct 10
	<i>OPTIONAL: Complete Lab Assignment: Factoring Review</i>	Oct 10
<b>Week 8</b>	<b>Oct 11 to 17</b>	

	6.2 Adding & Subtracting Rational Expressions	Oct 17
	6.3 Simplifying Complex Fractions	Oct 17
	6.4 Dividing Polynomials: Long Division	Oct 17
	<b><i>Complete Study Plan for Mastery Test 4 (Weeks 7 and 8)</i></b>	Oct 17
	<b>Mastery Test 4</b>	Oct 17
<b>Week 9</b>	<b>Oct 18 to 24</b>	
	6.5 Solving Equations with Rational Expressions	Oct 24
	6.6 Rational Equations & Problem Solving	Oct 24
	7.1 Radicals and Radical Functions	Oct 24
<b>Week 10</b>	<b>Oct 25 to 31</b>	
	7.2 Rational Exponents	Oct 31
	7.3 Simplifying Radical Expressions	Oct 31
	<b><i>Complete Study Plan for Mastery Test 5 (Weeks 9 and 10)</i></b>	Oct 31
	<b>Mastery Test 5</b>	Oct 31
<b>Week 11</b>	<b>Nov 1 to 7</b>	
	7.4 Adding, Subtracting & Multiplying Radical Expressions	Nov 7
	7.5 Rationalizing Denominators and Numerators of Rational Expressions	Nov 7
<b>Week 12</b>	<b>Nov 8 to 14</b>	
	7.6 Radical Equations and Problem Solving	Nov 14
	7.7 Complex Numbers	Nov 14
	<b><i>Complete Study Plan for Mastery Test 6 (Weeks 11 and 12)</i></b>	Nov 14
	<b>Mastery Test 6</b>	Nov 14
<b>Week 13</b>	<b>Nov 15 to 21</b>	
	8.1 Solving Quadratic Equations by Completing the Square	Nov 23
	8.2 Solving Quadratic Equations by the Quadratic Formula	Nov 23
	8.6 Quadratic Functions and Their Graphs	Nov 23
	<b><i>Complete Study Plan for Mastery Test 7 (Week 13)</i></b>	Nov 23
	<b>Mastery Test 7</b>	Nov 23
<b>Week 14</b>	<b>Nov 22 to 28 (Thanksgiving)</b>	
<b>Week 15</b>	<b>Nov 29 to Dec 5</b>	
	<b><i>Complete Review Assignment</i></b>	Dec 4
<b>Exam Week</b>	<b>Nov 6 to Dec 11: Final Exam</b>	Dec 11

\* 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.