

202120 Intermediate Algebra MAT-1033C

Course Syllabus

Fall - Full Term - 2021

Professor Cesar Leal Ferreira

Class Information:

CRN	Mode	Time of Meetings	Campus
15821	F2F	M & W, 4:00 to 5:15 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

Preferred contact method: Canvas Inbox Mail

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

Office Hours (online, by Zoom meeting):

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.

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

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-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 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).
- The **Ask the Instructor** feature in MYLAB MATH is the most effective way to contact your instructor about individual homework questions.

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

Unit Exams:

Four scheduled unit exams will be administered. Each exam is worth 10% of the overall course grade for a total of 40%.

Final Exam: A cumulative final exam will be given on **(See Final Exam Schedule)** 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. 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
Homework	30%
Lab Minutes	10%
Unit Exams	40%
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 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

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

- 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: MAT1033C Daily Topics Fall 2021

MAT 1033C (15676 & 18259) DAILY TOPICS: FALL 2021

TUESDAY/THURSDAY 4:00 - 5:15 PM

Dates	Assignment Name	Due Dates (Due at 4pm)
Week 1	Lab 1: Orientation	
8/23	Introduction, 2.1 Linear Equations	8/30
8/25	2.2 Problem Solving 2.3 Formulas and Problem Solving	9/1
Week 2	Lab 2: Graphing Calculator Scavenger Hunt	
8/30	Section 2.4 Linear Inequalities Section 2.5 Compound Inequalities	9/6
9/1	Orientation with Learning Support Center and Course Labs Meet in Learning Support Center (LSC—Room 330) with Instructional Lab Supervisor: Ms. Jennifer Nelson	-
Week 3	Lab 3: Linear Inequalities Review	
9/6	No Class—Labor Day	-
9/8	Review Ch 2 and Lab 3 (copies of lab 3 provided in class)	-
Week 4	Lab 4: Yes, we do mix things in real life!	
9/13	Chapter 2 Exam	-
9/15	3.1 Graphing Equations	9/22
Week 5	Lab 5: Finding Special Patterns with Functions	
9/20	3.2 Introduction to Functions 3.3 Graphing Linear Functions	9/27
9/22	3.4 The Slope of a Line	9/29
Week 6	Lab 6: What's the Equation	
9/27	3.5 Equations of Lines	10/4
9/29	3.7 Graphing Linear Inequalities	10/6
Week 7	Lab 7: Cross Number Factoring	
10/4	Chapter 3 Exam	-
10/6	5.7 Factoring by Special Products	10/13
Week 8	Lab 8: What makes you think this is rational??	
10/11	6.1 Multiplying & Dividing Rational Expressions	10/18
10/13	6.2 Adding & Subtracting Rational Expressions	10/20
Week 9	Lab 9: Is this the end of rational thinking?	
10/18	6.3 Simplifying Complex Fractions 6.4 Dividing Polynomials: Long Division	10/25
10/20	6.5 Solving Equations with Rational Expressions	
Week 10	Lab 10: I remember it well!	
10/25	6.6 Rational Equations & Problem Solving	11/1
	Chapter 6 Exam (Take Home Exam) -- Due in class on 11/1	-
10/27	7.1 Radicals and Radical Functions 7.3 Simplifying Radical Expressions	11/3
Week 11	Lab 11: Mixed Review with Square Roots	
11/1	7.3/7.4 Adding, Subtracting & Multiplying Radical Expressions	11/8
11/3	7.5 Rationalizing Denominators and Numerators of Rational Expressions 7.6 Radical Equations and Problem Solving	11/10

Week 12	Lab 12: Mixed Practice with Radicals	
11/8	7.7 Complex Numbers 7.2 Rational Exponents	11/15
	Chapter 7 Exam (in MML via Honorlock or Proctored on Campus)	-
11/10	5.8 Solving Equations by Factoring	11/17
Week 13	Lab 13: Complex Number Worksheet	
11/15	8.2 Solving Quadratic Equations using the Quadratic Formula	11/22
11/17	8.1 Solving Quadratic Equations by Completing the Square	11/24
Week 14	Lab 14: Solve the Quadratic Function by Graphing (Desmos Activity)	
11/22	8.5/8.6 Quadratic Functions and Their Graphs	11/29
11/24	Thanksgiving Break—No Class	-
Week 15	Lab 15: Chapter 8 Review	
11/29	4.1 Solving Systems of Linear Equations in Two Variables; Applications	12/6
12/1	4.3 Systems of Linear Equations and Applications	12/8
	No Chapter 8, 4 Exam –Content will be on the final exam	-
Finals Week		
12/6-10	Final Exam: 12/8	

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

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. **Your lab attendance will represent 10% of your total grade.**