

202410 Intermediate Algebra MAT-1033C-14325

Course Syllabus

Fall - Full Term - 2023

Professor Cesar Leal Ferreira, PhD

Class Information:

CRN	Mode	Time of Meetings	Campus
14325	ONLINE	No mandatory meetings	Downtown Valencia/UCF Campus (DTC)

Important College Contacts

Executive Dean, DTC: Dr. Eugene Jones – 407-582-5508 / ejones102@valenciacollege.edu

Math Coordinator: Prof. Roberta Carew – 407-582-5605 / rbrown75@valenciacollege.edu

Learning Center Manager: Ning Christopher – 407-582-1120 / schristopher6@valenciacollege.edu

Lab Supervisor: Amanda Forth – 407-582-5294 / adagiau@valenciacollege.edu

Contact Information

College Website	www.valenciacollege.edu
Department Phone Numbers	(407) – 582 – 3506
Instructor’s E-mail	cferreira4@valenciacollege.edu
Preferred contact method	Canvas Inbox Mail

Office Hours:

If any student need to discuss any academic matter, it is possible 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.

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 Materials

1) Textbook: It is available for free online.

- Intermediate Algebra 2e from OpenStax, ISBN-13: 978-1-95169-324-4.

- Link: <https://openstax.org/details/books/intermediate-algebra-2e>

You have several options to obtain this book:

- View Online.

- Download a PDF.

- Order a print copy.

2) Simple Scientific Calculator: It is very important to know how to use scientific calculator for this course. Students can borrow a calculator from the Learning Center or from the Tech Desk for the day. Longer term loans might be available at the Math Department. If the student is interested in purchasing one that will be applicable also in future courses, the **TI-30XIIS** is a good option.

Course Components

Attendance

On the first week, attendance is mandatory and will be represented by the completion of the "Orientation Assignment" (see schedule attached for details). There is an online meeting that will be recorded and all students need to join/watch and complete the Orientation Assignment using the information provided.

After the first week, students should access Canvas and IMathAS to watch video lectures, complete assignments and each access will be recorded as attendance.

Homework

- Homework is assigned in CANVAS for each section covered. Refer to the attached schedule for a list of all homework assignments and due dates.
- Homework can be completed after the due date for a **10% penalty** per day, per question.
- The **CANVAS INBOX** messenger is the most effective way to contact your instructor about individual homework or any general questions.

Lab Component: The course has a mandatory Lab component. For Math courses, Lab practice will mean time spent by the student practicing math problems with the availability of a tutor. Since it is an online course, there is distance tutoring available, and students should complete the “Mastery Goals” using **Khan Academy online**, with or without the help of tutoring.

Tests: There are 5 Mastery Tests, one for each unit, given on Honorlock. Students should complete the online assessment and send the work by taking pictures or scanning their scratch papers within 30 minutes of finishing each test. Questions with missing or wrong work will not be graded even if the answers were guessed right (the score will be zero). There is no make-up for the tests.

Final Exam: A cumulative final exam will be given on Honorlock **(See Schedule attached)**. The final exam must be taken in order to pass the course. If the student don’t take the final exam or has a zero score in all questions, the overall grade for the course will be “F”, even if the student complete all other assignments. The final exam is worth 20% of the overall grade otherwise. Students should complete the online assessment and send the work by taking pictures or scanning their scratch papers within 30 minutes of finishing each test. Questions with no work will not be graded (the score will be zero). There is no make-up for the Final Exam.

The HONORLOCK proctoring solution will be used for the Mastery Tests and Final Exam, 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
Video Lectures	10%
Homework	25%
Lab component	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 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.**

Learning Support Center (LSC)

The Learning Support Center (LSC) at the Downtown campus offers free face-to-face and distance tutoring for a variety of courses, as well as free equipment rentals. Find out more about at the link: <https://valenciacollege.edu/students/learning-support/downtown/tutoring-center.php>

Distance Tutoring & Technology Support at Valencia

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.

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.

Online students will use Honorlock and should adjust the webcam to show as much as possible their workspace (face, arms, hands and scratch paper, if technically possible). **DEVICES ARE NOT ALLOWED** other than the one where the student is running Honorlock. Failing to correctly adjust the webcam will be warned one time, and will result in a zero grade on the next occurrences.

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 (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.

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 SCHEDULE: FALL 2023
CRN 14325 – ONLINE

Dates	Assignment Name	Due dates of homework
Week 1	Lab component: Khan Academy – Mastery Goal 1	
8/21	Orientation with Learning Support Center and Course Labs Learning Support Center with Instructional Lab Supervisor	8/27 @ 11:59 pm
	2.1. Use a General Strategy to Solve Linear Equations	
Week 2	Lab component: Khan Academy – Mastery Goal 2	
8/28	2.2. Use a Problem Solving Strategy 2.3. Solve a Formula for a Specific Variable	9/4 @ 11:59 pm
Week 3	Lab component: Khan Academy – Mastery Goal 3 (9/4 Labor day – School closed)	
9/5	2.5. Solve Linear Inequalities 2.6. Solve Compound Inequalities	9/10 @ 11:59 pm
9/10	Mastery Test 1 - Chapter 2 (open using Honorlock) Open - 9/10 @ 00:00 am. Close – 9/17 @ 11:59 pm.	9/17 @ 11:59 pm
Week 4	Lab component: Khan Academy – Mastery Goal 4	
9/11	3.1. Graph Linear Equations in Two Variables 3.2. Slope of a Line	9/17 @ 11:59 pm
Week 5	Lab component: Khan Academy – Mastery Goal 5	
9/18	3.3. Find the Equation of a Line 3.4. Graph Linear Inequalities in Two Variables	9/24 @ 11:59 pm
Week 6	Lab component: Khan Academy – Mastery Goal 6	
9/25	3.5 Relations and Functions 3.6. Graphs of Functions	10/1 @ 11:59 pm
10/1	Mastery Test 2 - Chapter 3 Open - 10/1 @ 00:00 am. Close – 10/8 @ 11:59 pm.	10/8 @ 11:59 pm
Week 7	Lab component: Khan Academy – Mastery Goal 7	
10/2	Review: Dividing Polynomials Review: Factoring Polynomials	10/8 @ 11:59 pm
Week 8	Lab component: Khan Academy – Mastery Goal 8	
10/9	7.1. Multiply and Divide Rational Expressions 7.2. Add and Subtract Rational Expressions 7.3. Simplify Complex Rational Expressions	10/15 @ 11:59 pm
Week 9	Lab component: Khan Academy – Mastery Goal 9	
10/16	7.4. Solve Rational Equations 7.5. Solve Applications with Rational Equations	10/22 @ 11:59 pm
10/22	Mastery Test 3 - Chapter 7 Open - 10/22 @ 00:00 am. Close – 10/29 @ 11:59 pm.	10/29 @ 11:59 pm
Week 10	Lab component: Khan Academy – Mastery Goal 10	
10/23	8.1. Simplify Expressions with Roots 8.2. Simplify Radical Expressions 8.3. Simplify Rational Exponents	10/29 @ 11:59 pm

Week 11	Lab component: Khan Academy – Mastery Goal 11	
10/30	8.4. Add, Subtract, and Multiply Radical Expressions 8.5. Divide Radical Expressions 8.6. Solve Radical Equations	11/5 @ 11:59 pm
11/5	Mastery Test 4 – Chapter 8 Open - 11/5 @ 00:00 am. Close – 11/12 @ 11:59 pm.	11/12 @ 11:59 pm
Week 12	Lab component: Khan Academy – Mastery Goal 12	
11/6	9.1. Solve Equations Using the Square Root Property 9.2. Solve Quadratic Equations by Completing the Square 9.3. Solve Quadratic Equations Using the Quadratic Formula	11/12 @ 11:59 pm
Week 13	Lab component: Khan Academy – Mastery Goal 13	
11/13	9.5. Solve Applications of Quadratic Equations 9.6. Graph Quadratic Functions Using Properties	11/19 @ 11:59 pm
Week 14	No Lab: Thanksgiving (11/22 to 11/26 – School closed)	
11/20	8.8. Use the Complex Number System	11/26 @ 11:59 pm
11/22	Mastery Test 5 – Gen Ed Assessment Open - 11/22 @ 00:00 am. Close – 12/3 @ 11:59 pm.	12/3 @ 11:59 pm
Week 15	No Lab: Review for the Final Exam	
11/27	4.1 Solve Systems of Linear Equations with Two Variables 4.2 Solve Applications with Systems of Equations	12/3 @ 11:59 pm
Final Exam		
12/3	Final Exam Open - 12/3 @ 00:00 am. Close – 12/9 @ 11:59 pm.	

Important:

- Homework may be completed after the due date with a 10% penalty per day.
- You are required to complete the “Mastery Goals” using Khan Academy online.
- Mastery Tests and Final Exam will be accessed through Honorlock.
- ALL TESTS AND EXAM ARE SCHEDULED. BE PREPARED ACCORDING TO THE SCHEDULE.
- There is **NO MAKE-UP** for Mastery-Tests and Final Exam.