VALENCIACOLLEGE

202230 Intermediate Algebra MAT-1033C
Course Syllabus
Summer - H2 - 2022
Professor Cesar Leal Ferreira, PhD

Class Information:

CRN	Mode	Time of Meetings	Campus
34174	F2F	MTWR, 2:00 to 3:45 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*
Preferred contact method: Canvas Inbox Mail

Office Hours:

The instructor does not 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. 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.

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 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 <mark>NO COURSE ID.</mark> 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

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
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%	**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 schedule - Daily Topics - Summer 2022 H2

MAT 1033C Daily Topics - Dr. Leal

Dates	**Sections - Homework**	**Lab Worksheets**	**Due**
Week 1	**June 21 & 22**	**Lab (M): LSC Orientation**	**June 27**
	2.1 Linear Equations	**Lab 1 (W/R): Calculator**	**@ 2:00pm**
	2.2 Problem Solving	**Practice**	
	2.3 Formulas and Problem Solving		
	June 23		
	2.4 Linear Inequalities		
	2.5 Compound Inequalities		
Week 2	**June 27 & 28**	**Lab 2 (M/T): Linear**	**July 5**
	Mastery Test 1 (45 minutes) on June 27, 2:00pm.	**Equations**	**@ 2:00pm**
	3.1 Graphing Equations	**Lab 3 (W/R): Cross Word**	
	3.2 Introduction to Functions	**Factoring**	
	3.3 Graphing Linear Functions		
	June 29 & 30		
	3.4 The Slope of a Line		
	3.5 Equations of Lines		
	3.7 Graphing Linear Inequalities		
Week 3	**July 5 & 6**	**Lab 4 (T/W): Factoring**	**July 11**
	Mastery Test 2 (45 minutes) on July 5, 2:00pm.	**Concept Map**	**@ 2:00pm**
	5.7 Factoring by Special Products	**Lab 5 (W/R): What makes**	
	6.1 Multiplying & Dividing Rational Expressions	**you think this is rational?**	
	6.2 Adding & Subtracting Rational Expressions		
	July 7		
	6.3 Simplifying Complex Fractions		
	6.4 Dividing Polynomials: Long Division		
Week 4	**July 11 & 12**	**Lab 6 (M/T): Is this the**	**July 18**
	6.5 Solving Equations with Rational Expressions	**end of rational thinking?**	**@ 2:00pm**
	6.6 Rational Equations & Problem Solving	**Lab 7 (W/R): Word**	
	July 13 & 14	**Problems**	
	Mastery Test 3 (45 minutes) on July 13, 2:00pm.		
	7.1 Radicals and Radical Functions		
	7.2 Rational Exponents		
	7.3 Simplifying Radical Expressions		
	7.4 Adding, Subtracting & Multiplying Radical Expressions		
	July 18 & 19	**Lab 8 (M/T): Mixed**	**July 25**
	7.5 Rationalizing Denominators and Numerators of	**Review with Square Roots**	**@ 2:00pm**

	Rational Expressions	**Lab 9 (W/R): Complex Numbers**	
Week 5	7.6 Radical Equations and Problem Solving		
	July 20 & 21		
	Mastery Test 4 (45 minutes) on July 20, 2:00pm.		
	7.7 Complex Numbers		
	8.1 Solving Quadratic Equations by Completing the Square		
	8.2 Solving Quadratic Equations by the Quadratic Formula		
Week 6	**July 25 & 26**	**Lab 10 (M/T): Solving Quadratic Equations**	**Aug. 1st @ 2:00pm**
	8.6 Quadratic Functions and Their Graphs		
	4.1 Solving Systems of Linear Equations in Two Variables; Applications	**Lab 11 (W/R): Final Exam Review (Optional)**	
	July 27 & 28		
	Mastery Test 5 (Gen Ed Assessment – 1 hour) on July 27, 2:00pm.		
	Review for the Final exam		
Week 7	**August 1st**		
	Final Exam		

* 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.