

***MAT 1033C Intermediate Algebra***

***Course Syllabus***

***Summer Full Term – 2020***

***Professor: Dr. Vannetta Davis-Felix***

## Class Information:

| **CRN** | **Days** | **Time** | **Campus/Room** |
| --- | --- | --- | --- |
| 33831 | Online | NA | Downtown Valencia/UCF Campus (DTC) |

## Instructor Information

**Instructor**: Dr. Vannetta Davis-Felix

**Office**: M-F On-line (you may schedule zoom meetings by appointment 24 hours in advance) or call

**Phone: 407-603-1770**

**Email**: [vgrierfelix@valenciacollege.edu](mailto:vgrierfelix@valenciacollege.edu)

**CRN: 33834/C078**

## Office Hours:

M-F Open appointments On-line (you may schedule zoom meetings by appointment *please schedule 24 hours in advance*) or call

Beyond office hours, I will do my best to respond to texts or emails within 24 hours. I generally respond within in a much shorter time frame, however. Allow for 24-48 hours on weekends or holidays.

## College Contacts

Executive Dean, DTC: Dr. Eugene Jones 1-407-582-5508

Learning Support Services, Manager: Ning Christopher 1-407-582-1120

Instructional Math Lab Supervisor: Jennifer Nelson 1-407-582-3508

## Learning Support Center

* Tutoring Offered Online via Zoom:
* Students will still access online tutoring by clicking on the Help icon on the Navigation Toolbar in Canvas and clicking on Online Tutoring. For more information, students can visit the following page: [https://libguides.valenciacollege.edu/distancetutoring](https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Flibguides.valenciacollege.edu%2Fdistancetutoring&data=02%7C01%7Crsandefur%40valenciacollege.edu%7Cbae3b05a182b4ead6e6808d7ec7f4204%7C0e8866953d1741a88544135b0a92a47c%7C1%7C0%7C637237903634569540&sdata=ewu6oLCS%2BuoS%2B3wyYe988mtVvtb0kbX7dzeLll1peFU%3D&reserved=0)

**Summer Operation Days and Times:**

* Monday - Thursday: 7 am - 12 am (midnight)
* Friday: 7 am - 12 pm (noon)
* Saturday - Sunday: 9 am - 6 pm

## Course Description ****and**** Structure

**Structure:** Lecture

Minimum grade of C in MAT 0022C or MAT 0028C or MAT 0055 or MAT 0056 or approriate score on approved assessment. 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, introduction to functions, factoring, algebraic fractions, rational equations, radicals and rational exponents, complex numbers, quadratic equations, scientific notation, applications of the above topics and the communication of mathematics. Applications emphasizing connections with other disciplines and the real world will be included.

# Required Textbook(s) & Materials

**REQUIRED: MyMathLab (MML) Student Access Kit**

Purchasing Options: Access MUST be purchased by one of the following methods

* Purchase a custom Valencia/UCF MML 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 MyMathLab with a debit or credit card.
* Important Note: For this course, MyMathLab 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 MyMathLab webite, as it will not work—it can **only** be accessed through Canvas.

## RECOMMENDED CALCULATOR:

* **TI-84+** or approved (Non-CAS) graphing calculator. This is recommended if you must take MAC 1105 or STA 2023.

**--OR--**

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

## OPTIONAL TEXTBOOK:

* Intermediate Algbera, 3rd Edition Custom Edition for Valencia College, Elayne Martin-Gay
* Note: A virtual copy of the textbook is available through MML, so a physical textbook is not necessary. If you wish to buy a physical textbook, please speak to the instructor for additional purchasing options.

# Course Components

## Attendance

* Attendance will be taken based on your course activity in MML.
* A student’s Last Date of Attendance is determined by the last date of activity in MML.

## Homework

* Homework is assigned in MyMathLab (MML) 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 MML 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 MML is the most effective way to contact your instructor about individual homework questions.

## Lab Attendance

This course has a mandatory lab component defined by **WEEKLY** Lab Minutes (LM). Each week’s lab minutes are determined by completion of MML Study Plan Mastery Points, unless otherwise noted. Refer to the MAT 1033C Daily Topics for minimum Mastery Points requirements. Grades for lab minutes are awarded as follows:

* Full Credit (10 points) if the minimum Mastery Points are achieved
* Partial Credit may be awarded if the minimum Mastery Points are not achieved.

*Note: You are encouraged to get achieve 100% of Mastery Points as the Study Plans help you prepare for each unit Mastery Test*

## Exams:

This course includes 8 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. For summer 2020, exams may be completed remotely (off campus or at home). All exams are completed and graded in MyMathLab. 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, 75 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---**

* 1. Score at least an 80% on EACH homework assignment in the unit.

### **Final Exam:** (1 Attempt, 150 minute time limit)

* The final exam must be taken in order to pass this course and must be completed by the last day of the course: July 28, 2020.

# Grading Policy

|  |  |
| --- | --- |
| Assessment | Percentage of Overall Grade |
| Homework | 25% |
| Lab Minutes (Weekly Study Plan) | 15% |
| 8 Mastery Tests | 40% |
| Final Exam | 20% |
| Total | 100% |

## Grading Scale

All grades will 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** |

**Course Make-Up Policy:** Make-Up Exams are not permitted.

* If you do not complete an assignment or test by the due date, a zero score will be assigned for each incomplete grade (unless otherwise noted by the professor).
* Contact the instructor BEFORE the due dates if you experience any issues prohibiting your from meeting any deadlines.

# College Policies

## 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 a student after the deadline on the Downtown Campus.

## Valencia Student Core Competencies:

* Valencia’s Student Core Competencies are complex abilities that are essential to lifelong success.  This course will help you develop and demonstrate the abilities to (1) **think** clearly, critically, and creatively; (2) **communicate** with others verbally and in written form; (3) make reasoned **value** judgments and responsible commitments; and (4) **act** purposefully, reflectively, and responsibly.

## Academic Honesty

Plagiarism or cheating of any form will be cause for **immediate removal from this class, a course grade of F and referral of this incident to the Dean of Student Affairs/Mathematics**. Cheating is defined by any behavior that can be construed as cheating such as blatant cheating, 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. **SIMPLY stated, cheating will not be tolerated.**

## 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 appropriate 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**. In an effort to help you acquire and improve your ability to demonstrate 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.

**E-mail Communication Policy:** The instructor will only correspond with you through your atlas e-mail only. Students are expected to check their atlas e-mail daily. The instructor may send updates, announcements, changes, etc. to your atlas e-mail. Students are responsible for all messages sent to your atlas e-mail by the instructor. The instructor will not correspond with any other e-mail account, PDA, or cell phone. All e-mail correspondence must originate from your Valencia account. Grades are discussed by appointment only or through your atlas e-mail. All e-mail by students and the instructor should be respectful and professional. Students should identify their name, class that they are in, and a complete message using respectful language, complete sentences, and proper grammar. A subject line is mandatory.

**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: Summer Laptop Loan Program

Valencia College’s Office of Information Technology (OIT) [has acquired 1,000 new laptops to loan to students](http://thegrove.valenciacollege.edu/provost-update-april-2020/#Laptops) through Friday, July 31 who are registered for the summer semester and have expressed technology needs. To apply for a new laptop for summer use visit:

<https://valenciacollege.edu/laptop>

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| --- | --- | --- |
| **MAT 1033C (16531) Daily Topics**  **Online Summer 2020** | | |
| **Dates** | **Key Terms**  **LM = Lab Minutes (required each week for the lab component of the course)**  **MP = Mastery Points earned in the Study Plan** | **Due Dates**  **(Due: 11:59 pm)** |
| **Week 1** | **May 4 - 10** |  |
|  | ***LM: Set Up MyMathLab Course and complete Syllabus Quiz at 100%*** | **May 10** |
|  | **Syllabus Quiz** | **May 10** |
|  | **2.1 Linear Equations** | **May 10** |
|  | **2.2 Problem Solving** | **May 10** |
| **Week 2** | **May 11 - 17** |  |
|  | **2.3 Formulas and Problem Solving** | **May 17** |
|  | **2.4 Linear Inequalities** | **May 17** |
|  | ***LM: Complete Study Plan for Mastery Test 1***  **(8 of 11 MP required for full credit)** | **May 17** |
|  | **Mastery Test 1** | **May 17** |
| **Week 3** | **May 18 - 24** |  |
|  | **2.5 Compound Inequalities** | **May 24** |
|  | **2.6 Absolute Value Equations** | **May 24** |
|  | **3.1 Graphing Equations** | **May 24** |
|  | ***LM: Complete Study Plan for Mastery Test 2***  **(6 of 8 MP required for full credit)** | **May 24** |
|  | **Mastery Test 2** | **May 24** |
| **Week 4** | **May 25 – 31 (Memorial Day, May 25)** |  |
|  | **3.2 Introduction to Functions** | **May 31** |
|  | **3.3 Graphing Linear Functions** | **May 31** |
|  | **3.4 The Slope of a Line** | **May 31** |
|  | ***LM: Complete Study Plan for Mastery Test 3 (parts 3.2-3.4)*** | **May 31** |
| **Week 5** | **June 1 – 7** |  |
|  | **3.5 Equations of Lines** | **June 7** |
|  | **3.7 Graphing Linear Inequalities** | **June 7** |
|  | ***LM: Complete Study Plan for Mastery Test 3 (Parts 3.5, 3.7)***  **(11 of 16 MP required for full credit)** | **June 7** |
|  | **Mastery Test 3** | **June 7** |
| **Week 6** | **June 8 – 14** |  |
|  | **4.1 Solving Systems of Linear Equations in Two Variables; Applications** | **June 14** |
|  | **4.3 Systems of Linear Equations and Applications** | **June 14** |
|  | ***LM: Complete Study Plan for Mastery Test 4 (Parts 4.1, 4.3)***  **(4 of 5 MP required for full credit)** | **June 14** |
|  | **Mastery Test 4** | **June 14** |
| **Week 7** | **June 15 – 21** |  |
|  | ***LM: Complete Lab Assignment: Ch 6 Prerequisite (Factoring Review)***  ***(70% Required for credit and to unlock section 5.7)*** | **June 21** |
|  | **5.7 Factoring by Special Products** | **June 21** |
|  | **6.1 Multiplying & Dividing Rational Expressions** | **June 21** |
|  | **6.2 Adding & Subtracting Rational Expressions** | **June 21** |
| **Week 8** | **June 22 – 28** |  |
|  | **6.3 Simplifying Complex Fractions** | **June 28** |
|  | **6.4 Dividing Polynomials: Long Division** | **June 28** |
|  | ***LM: Complete Study Plan for Mastery Test 5 (Parts 6.3 - 6.4)***  **(11 of 15 MP required for full credit)** | **June 28** |
|  | **Mastery Test 5** | **June 28** |
| **Week 9** | **June 29 – July 5 (Independence Day, July 4)** |  |
|  | **6.5 Solving Equations with Rational Expressions** | **July 5** |
|  | **6.6 Rational Equations & Problem Solving** | **July 5** |
|  | **7.1 Radicals and Radical Functions** | **July 5** |
|  | **7.2 Rational Exponents** | **July 5** |
|  | ***LM: Complete Study Plan for Mastery Test 6***  **(11 of 16 MP required for full credit)** | **July 5** |
|  | **Mastery Test 6** | **July 5** |
| **Week 10** | **July 6 - 12** |  |
|  | **7.3 Simplifying Radical Expressions** | **July 12** |
|  | **7.4 Adding, Subtracting & Multiplying Radical Expressions** | **July 12** |
|  | **7.5 Rationalizing Denominators and Numerators of Rational Expressions** | **July 12** |
|  | **7.6 Radical Equations and Problem Solving** | **July 12** |
|  | ***LM: Complete Study Plan for Mastery Test 7***  **(8 of 12 MP required for full credit)** | **July 12** |
|  | **Mastery Test 7** | **July 12** |
| **Week 11** | **July 13 - 19** |  |
|  | **7.7 Complex Numbers** | **July 19** |
|  | **8.1 Solving Quadratic Equations by Completing the Square** | **July 19** |
|  | ***LM: Complete Study Plan for Mastery Test 8 (parts 7.7-8.1)*** | **July 19** |
| **Week 12** | **July 20 – 26** |  |
|  | **8.2 Solving Quadratic Equations by the Quadratic Formula** | **July 26** |
|  | **8.6 Quadratic Functions and Their Graphs** | **July 26** |
|  | ***LM: Complete Study Plan for Mastery Test 8 (parts 8.2, 8.6)***  **(9 of 13 MP required for full credit)** | **July 26** |
|  | **Mastery Test 8** | **July 26** |
|  | **Final Exam: July 27-28** | **July 28** |

**\* 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. The lab component will represent 10% of your total grade.**