



MAT 1033C Intermediate Algebra, 3 credit hours
 Mathematics Department, College of Sciences
 University of Central Florida

Instructor	Name: William Plemmons Email: william.plemmons@UCF.edu Office: MSB 402 Office Hours: M 11:16-12:16 T, TH 09:00-11:00 Zoom link will be sent via web course announcements Or by appointment	Course: MAT 1033C Intermediate Algebra – Modality Face to Face Instruction (P) Term: Fall 2022 Classroom: MSB 240, 241 Section: MAT 1033-0003 Lockers: MSB227, 131
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Description: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents; linear and quadratic equations, linear inequalities, and applications.

This course is a "bridge course" which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule.

Prerequisite(s): None. Co-requisite(s): None.

Required Materials:

- Access to ALEKS:** *Intermediate Algebra-ALEKS 360 (18 weeks)* can be purchased through the First Day Program at a discounted price. We will go over this during the first day of class as well as how to get setup in ALEKS.

First Day Program: To enhance your learning experience and provide affordable access to the right course material, this course is part of an inclusive access model called First Day™. You can easily access the required materials for this course at a discounted price, and benefit from single sign-on access with no codes required in UCF Webcourses.

UCF Student Accounts will bill you at the discounted price as a course charge for this course. It is recommended that you Opt-In as these materials are required to complete the course.

You can choose to Opt-In on the first day of class, right within Canvas. Be sure to Opt-In before the

Add/Drop deadline to have access to your course materials at the discounted price. If you do not Opt-In or miss the deadline, you will have to purchase your materials at the UCF Campus Store or directly from this course website at a significantly higher rate.

- You need to know your myUCF log in information. We will access ALEKS from Webcourses@UCF using a single sign on feature.
 - Your instructor or teaching assistant won't handle issues due to purchasing wrong materials from other places or online stores.
2. **Four new 8.5"×11" Bluebook or greenbooks** (books must be blank i.e. nothing written). They will be used for testing. They can be purchased at UCF bookstore or at a vending machine outside MALL or acquired from UCF Student Union. Please have them in advance and don't wait till test day. <https://studentgovernment.ucf.edu/services/academic/scantrons/>
 3. **TI30XA calculator.** Only the TI-30XA will be supplied on tests. Note: It is best if you buy a TI-30XA and practice with it. It is your responsibility to learn how to operate the TI-30XA. Proctors are not allowed to answer your questions about calculator's use during tests.
 4. **Regular notebook** (spiral-bound, binder) to keep neat and organized work.
5. **UCF ID issued by UCF card services**

Learning Outcomes:

1. Identify the differences between expressions, equations, inequalities, functions and relations;
2. Factor algebraic expressions;
3. Simplify arithmetic and algebraic expressions including those containing polynomials, rational expressions, integer exponents, rational exponents, radicals, or complex numbers;
4. Solve equations in one variable, including linear, quadratic, quadratic in form, and those containing rational expressions, radicals, or absolute value;
5. Evaluate functions and perform operations with functions;
6. Solve inequalities in one variable including linear, compound and those containing absolute value;
7. Graph of basic functions including linear, quadratic, square root, and rational;
8. Graph and solve systems of two linear equations;
9. Find the equations and properties of lines and parabolas given certain conditions;
10. Accurately communicate mathematical terminology and notation, both verbally and in writing.

Required Academic Activity: As of fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, Syllabus Quiz as class activity in Webcourses no later than **August 26, 2012 by 17:00 EST**. Failure to do so may result in a delay in the disbursement of your financial aid. The syllabus quiz score counts as a class activity and it is not dropped.

Grading Scale:

Your final grade will be no less than the following:

Average	Grade
90 – 100%	A Must take final test
80 – 89%	B Must take final test
70-79%	C

	Must take final test
40-69%	NC Must take final test NC: Not for credit. See http://fyae.sdes.ucf.edu/faq
Otherwise	F

Make-up Policy:

There are no make-up tests except for those involved in an Authorized University Events or Co-curricular Activities. Those students must show official documentation prior to absence.

No make-up will be given 7 days after its initial due date. In the event of a make-up test is given, the test will not be same as the one that is given and released.

Personal or family Emergencies are not considered excused reasons.

Grading:

Assignments	Percentage
Weekly Objectives (see weekly objectives section) In ALEKS, must complete THEM prior to due dates, incomplete topics remain in ALEKS pie and won't earn credit, no extensions. For success, log in to your course at least two more times outside class meetings to stay on track.	10% One lowest score is dropped.
ALEKS Pie Progress 12/3/22 23:59pm In ALEKS, once your last objective is past due if you have topics remaining in the ALEKS Pie you need to learn them, relearn them, or master them. Stay the whole time after you finish class activity and work on objective or pie progress.	5% Partial credit by percentage is earned if all topics are not fully learned or mastered.
Class Activities In ALEKS, in the classroom. They must be done during class meeting to capture your attendance, participation and learning. You may receive extra quick attempts but they must be completed in the classroom. If you arrive late, you will not get an extension. Please log in a day before each class to see if you need to complete a knowledge check and complete it.	13% Six class activities (usually lowest) are dropped to help with absence due to late add, personal reasons or clinic visits. Do not use them until you have to. Syllabus quiz score counts as a class activity, and it is not dropped. Posted in Webcourses. No make-ups except for UCF sponsored events.
Comprehensive Assessment 11/25/22 to 12/3/22 23:59pm	2%

In ALEKS, It is proctored. It may need two hours to complete so do not wait until the last minute. No extension. We encourage to use your own notes and a TI-30xa. You should not use any other help. You must submit it so your account does not lock. This assignment is done in class.	
Test 1 (Objectives 1,2,3) 9/15/22 In ALEKS, proctored, closed notes, and restricted to designated computers. Taken when student meets early testing criteria or during scheduled test 1 date. One attempt.	Best 2 are 40% In case of anyone is found adopting unfair means (cheating), the student will earn zero for the test(s), and all three tests will count, and no test score is dropped. Also, read Academic Integrity section.
Test 2 (Objectives 4,5,6,7,8) 10/13/22 In ALEKS, proctored, closed notes, and restricted to designated computers. Taken when student meets early testing criteria or during scheduled test 2 date. One attempt.	
Test 3 (Objectives 8,9,10,11,12) 11/17/22 In ALEKS, proctored, closed notes, and restricted to designated computers. Taken when student meets early testing criteria or during scheduled test 3 date. One attempt.	
Final Test (All Objectives) Thursday Dec 8 10:00-12:50 In ALEKS, proctored, closed notes, and restricted to designated computers. Taken when student meets early testing criteria or during scheduled final exam date. No student should make travel plans prior to this day (unless successfully completed the course early). One attempt. You must appear to final examination in order to complete the course. https://exams.sdes.ucf.edu/2022/fall	30% The final test is required and will not be dropped. If a student fails to appear will be awarded an F regardless of the average. In case of anyone is found adopting unfair means (cheating), the student will earn zero for the test. Also, read Academic Integrity section.
Practice tests are not use in grade calculations and are provided as an aid for the student. They must be finished to at least 85% if the student wishes early testing.	0%

- No extra credit is granted in this course.

Progressing and Completing the Course Early:

Early testing will not start until after 8/31/2022

Taking test 1 early	Complete at least 40% pie and at least 85% on practice test 1
Taking test 2 early	Complete at least 70% pie and at least 85% on practice test 2
Taking test 3 early	Complete at least 85% pie and at least 85% on practice test 3
Taking final test early	Complete at least 90% Pie AND take a proctored comprehensive Assessment AND score at least 85% on a practice final test.

- If a weekly objective is completed prior to the due date the next objective unlocks and allows you to keep advancing.
- The criteria is a guide and only your instructor can decide if you are eligible to complete the course early. Your instructor will also make recommendations based on your performance and major.
- In the event you do well on first day of class on the initial knowledge check (ALEKS pie 80% or better) you should speak with your instructor immediately.
- Admission to testing requires a clean 8.5x11 bluebook or greenbook, a UCF id, a pen or pencil.
<https://studentgovernment.ucf.edu/services/academic/scantrons/>

Transitioning to College algebra

Students who finish Intermediate Algebra on or before October 17 with a class average of 80 or better have the option of adding college algebra. The student will continue to come to their intermediate algebra class to work on the new material. All class activities will be open and IP locked, objectives will be opened as the student works through the material. Tests will be taken when specific thresholds are met:

Test 1 Aleks pie at least 40% and practice test 1 to at least 85

Test 2 Aleks pie at least 70% and practice test 2 to at least 85

Test 3 Aleks pie at least 85% and practice test 3 to at least 85

Final Aleks pie at least 90% and practice final to at least 85

Student must pay the additional fees to the University within one week of being added to the college algebra course or be dropped from the course.

If the student is currently taking 18 or more hours the student cannot take this offer.

Once in college algebra it is hoped that the student will self-pace so that the course is finished before the end of finals (December 11), if the student does not finish the grade given will be an I (incomplete) and the student must finish in spring semester before the end of February. Note the student will buy additional time in ALEKS to complete any class activity or test that the student has not already completed.

Weekly Objectives regular schedule:

Modules	Dates
1. 1 ExpProp 4.1 (49 topics)	08/22/2022 12:00 AM - 08/28/2022 11:59 PM
2. 2 OperationsPoly. 4.2-4.4 (36 topics)	08/29/2022 12:00 AM - 09/04/2022 11:59 PM
3. 3 Factorization 4.5-4.7 (26 topics)	09/05/2022 12:00 AM - 09/11/2022 11:59 PM
4. 4 Rational Exp. 5.1-5.4 (27 topics)	09/12/2022 12:00 AM - 09/18/2022 11:59 PM
5. 5 SimpRadicals 6.1-6.3 (22 topics)	09/19/2022 12:00 AM - 09/25/2022 11:59 PM
6. 6 OperRadical 6.4-6.6 (18 topics)	09/26/2022 12:00 AM - 10/02/2022 11:59 PM
7. 7 SolveLnr Eq 1.1,3,5.6 (16 topics)	10/03/2022 12:00 AM - 10/09/2022 11:59 PM
8. 8 Slv 1.6,4.8,5.5,6.7 (18 topics)	10/10/2022 12:00 AM - 10/16/2022 11:59 PM
9. 9 Graphing 2.1-2.3 (29 topics)	10/17/2022 12:00 AM - 10/23/2022 11:59 PM
10. 10 Graphing 2.7,3.1,3.5 (13 topics)	10/24/2022 12:00 AM - 10/30/2022 11:59 PM
11. 11 Appli. 1.2,2.4,3.4,5.6 (13 topics)	10/31/2022 12:00 AM - 11/06/2022 11:59 PM
12. 12 Inequ. 1.4-1.5,1.7 (25 topics)	11/07/2022 12:00 AM - 11/13/2022 11:59 PM
13. 13 Cmplx Quad 6.8,7.1,7.2 (14 topics)	11/14/2022 12:00 AM - 11/20/2022 11:59 PM

- Please complete your objective prior to the due date, otherwise, incomplete topics will remain in the pie and you will not earn credit.
- If a weekly objective is completed prior to the due date the next objective unlocks and allows you to keep advancing.

Email Policy

Please keep in mind that most of inquiries can be addressed in the classroom. This is not an online course. It's a mixed mode that combines online platforms with face-to-face engagement for better results. Therefore, attendance is mandatory and it helps you learn and resolve any issue. You should speak with your instructor inside the classroom if you have a question or a concern. You are asked to read this entire document and be knowledgeable.

1. Please contact technical support when you have issues with ALEKS. Your instructor will not conduct technical support via email.
2. It is best if you contact your instructor via Webcourses. It will link you to your Math class and section.
3. If you use Knights email to contact your instructor you must include your full name and class days and time.
4. Your instructor will not reply to communications from non UCF addresses.
5. Emails about excused absences must FIRST have acceptable documentation attached.
6. Grades will not be discussed by email.
7. Emails will be answered the next BUSINESS DAY in order in which they were received.

Testing Policies and Procedures:

- No reservations are needed except for early testing.
- Have an active (not expired) access code, you should check your account before you go to test.
- Memorize your NID and password.
- Make sure that you arrive early as the test will start on time. You will lose elapsed time if you are late or don't know log in information and need to retrieve it.
- You must have a UCF ID and put it front of desk, on left side of keyboard to make it easy for the staff to check. UCF ID may also be used to sign in/out.
- 8 ½ x 11 blue/green book with nothing written on it (see UCF bookstore or vending machine outside MALL or Student Union front desk).
- \$.50 if you are going to use a locker (read instruction before you use a locker so you don't lose the money before it locks). No personal belonging are allowed during testing. Lockers are in rooms MSB227 and MSB131.
- Writing utensil.
- NO cellphones, NO skateboards, NO personal calculators (you'll be given TI-30XA on test day only), NO smart watches. (If you don't want put them in a locker please don't bring them with you and don't jeopardize your final grade).
- During tests 1, 2 and 3, students cannot leave testing room during the first 20 minutes. During final test, students cannot leave room during first 30 minutes. All students must follow exit rules announced by the proctor.
- At all times, you must abide by Mathematics Assistance and Learning Lab (MALL) Policies and Procedures, please visit <http://mall.cos.ucf.edu/> as it is the student's responsibility to read, understand and follow policies.

General Classroom Policies (MSB 110):

- Food/drinks are not allowed; water in bottled containers with cap are allowed.
- No skateboards or any other transportation devices are allowed in the MALL, please use the skateboard rack located at the main entrance of the building
- Students have to have their valid UCF ID card available and shown when asked by a staff or instructor.
- Students are encouraged to collaborate as long as they are not disturbing others and are being loud.
- Students are not allowed to talk to other students during proctored assessments (i.e., tests).
- <https://sciences.ucf.edu/math/mall/policies-and-procedures/>

Technical Support:



In case of technical issues, please contact technical support using the information shown below. You should also communicate the issue during your class or come to the lab for assistance. Your instructor or teaching assistant will not be able to troubleshoot your personal computer issues by emails.

Academic Integrity

Students should familiarize themselves with UCF's Rules of Conduct at <http://osc.sdes.ucf.edu/process/roc>. According to Section 1, "Academic Misconduct," students are prohibited from engaging in

1. Unauthorized assistance: Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.
2. Communication to another through written, visual, electronic, or oral means: The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.
3. Commercial Use of Academic Material: Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.
4. Falsifying or misrepresenting the student's own academic work.
5. Plagiarism: Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.
6. Multiple Submissions: Submitting the same academic work for credit more than once without the express written permission of the instructor.
7. Helping another violate academic behavior standards.

For more information about Academic Integrity, students may consult The Center for Academic Integrity <http://www.academicintegrity.org/icai/assets/FVProject.pdf>

For more information about plagiarism and misuse of sources, see “Defining and Avoiding Plagiarism: The WPA Statement on Best Practices” <http://wpacouncil.org/node/9>.

Responses to Academic Dishonesty, Plagiarism, or Cheating

Students should also familiarize themselves with the procedures for academic misconduct in UCF’s student handbook, *The Golden Rule* <http://goldenrule.sdes.ucf.edu/docs/goldenrule.pdf>. UCF faculty members have a responsibility for students’ education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to academic misconduct. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a “Z Designation” on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://goldenrule.sdes.ucf.edu/zgrade>.

Course Accessibility Statement

The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. Students with disabilities who need disability-related access in this course should contact the professor as soon as possible. Students should also connect with Student Accessibility Services (SAS) <http://sas.sdes.ucf.edu/> (Ferrell Commons 185, sas@ucf.edu, phone 407-823-2371). Through Student Accessibility Services, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential access and accommodations that might be reasonable. Determining reasonable access and accommodations requires consideration of the course design, course learning objectives and the individual academic and course barriers experienced by the student.

Campus Safety Statement

Emergencies on campus are rare, but if one should arise during class, everyone needs to work together. Students should be aware of their surroundings and familiar with some basic safety and security concepts.

- In case of an emergency, dial 911 for assistance.
- Every UCF classroom contains an emergency procedure guide posted on a wall near the door. Students should make a note of the guide’s physical location and review the online version at http://emergency.ucf.edu/emergency_guide.html.
- Students should know the evacuation routes from each of their classrooms and have a plan for finding safety in case of an emergency.
- If there is a medical emergency during class, students may need to access a first-aid kit or AED (Automated External Defibrillator). To learn where those are located, see <http://www.ehs.ucf.edu/workplacesafety.html> (click on link from menu on left).
- To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to my.ucf.edu and logging in. Click on “Student Self Service” located on the left side of the screen in the toolbar, scroll down to the blue “Personal Information” heading on the Student Center screen, click on “UCF Alert”, fill out the information, including e-mail address, cell phone number, and cell phone provider, click “Apply” to save the changes, and then click “OK.”
- Students with special needs related to emergency situations should speak with their instructors outside of class.

- To learn about how to manage an active-shooter situation on campus or elsewhere, consider viewing this video (<https://youtu.be/NIKYajEx4pk>).

Deployed Duty Military Students

A deployed active duty military student who feels the need for a special accommodation due to that unique status should contact their instructor to discuss the circumstances.

Course Structure

- This class takes advantage of an advanced technology. You will take an **initial assessment** on the first day of class that will determine the Math skills that you already know (PRIOR KNOWLEDGE), and set up the ones you will learn during the course. It is imperative that you do your best and honestly answer all questions, so your ALEKS pie is updated accurately and benefit greatly. The goal is to fill or color your “ALEKS Pie”. At the end of course, your ALEKS Pie grade comes from your earned objectives scores so complete them on time.
- The objectives are like modules in groups of about 20 topics that you need to complete by the scheduled due dates. It is important that you do them before they close since your score depends on how much you complete, and incomplete topics will remain in the ALEKS Pie. These due dates will not be extended.
- Each topic requires few examples. You can get double credit for answering correctly two questions in a row without using multimedia or examples. Credits can be lost if mastery isn’t demonstrated. When you get an explanation page to read and understand, you should do exactly that. Write all in your notebook.
- For every 5 hours and 20 topics you complete, or after each 10 hours of time in ALEKS, or at certain stage in the course, you will be prompted to take an ALEKS Assessment which can be taken anywhere. It is imperative that you review, do your best and honestly complete it so your ALEKS pie is updated accurately.
- The goal is to learn and retain what you learned.
- This class allows you access to a team consisting of your instructor, graduating teaching assistants and learning assistants. They are available and dedicated to your learning and success. So, ask for help.
- Please arrive on time and stay for the whole time.
- During class the teaching assistant or your instructor will give a mini-lecture to address selected topics that are relevant to class activities. The mini lecture will be given in the three rooms yet after first three weeks, the mini-lecture will be given in one room. If you feel you benefit from it you should arrive early and take a seat in that room. Signs will be posted. There

will be quizzes that can be taken in class to track your attendance and participation. They are for grade and called Class Clicker or check.

- Tests are proctored, closed notes, and restricted to designated computers.

To be a better test taker: Attend regularly class, do your assignments on time, use tutoring in the lab, do practice tests, ask questions and don't wait till last minute to complete any work. Meet your instructor early and discuss any difficulties.

- AT ANY TIME, YOUR INSTRUCTOR MAY ASSIGN YOU A PROCTORED ASSESSMENT TO CONFIRM YOUR PROGRESS IN THE COURSE.

STRATEGIES FOR SUCCESS: For most students, success in College Algebra and using ALEKS requires spending 4-6 hours each week working in the program. For other students, it will require more time. It is essential that you begin work immediately and commit the necessary time each week. Begin by working on the objectives in your "ALEKS Pie".

You are not expected to learn on your own; ask for help.

All students are asked to log in daily to both ALEKS and WEBCOURSES accounts to find out about assignments and due dates.

Important days: <https://calendar.ucf.edu/2022/fall>

Classes start August 22

Drop swap deadline August 26 23:59 EST

Last day to withdraw October 28

Classes end December 2

Study day December 3

Finals December 5-11

Labor Day September 5 (no classes)

Veterans Day November 11 (no classes)

Thanksgiving November 23-25 (no classes)

Tests and Final in this class see above under grading

The instructor has the right to make some adjustments to syllabus, and any adjustment will be announced in class and via email or Webcourses announcements.