



MAT1033—B001 Intermediate Algebra

Department of Mathematics, College of Sciences
3 Credit Hours

Modality P Face to Face (P) or In Person

Course Syllabus

Instructor:	Dr. Rachid Ait Maalem Lahcen	Term:	Summer B 2024
Office Location:	MSB221	Class Meeting Days:	MoTuWeTh
Office Hours:	TuWe 11:00am – 1:30pm	Class Meeting Time:	8:30AM - 10:20AM
Phone:	4078234005	Class Location:	MSB 240/241
Email:	rachid@ucf.edu	Course Modality:	P, in person

GTA(s): N/A

Email: N/A

Attendance/Participation

Attendance is required in person. See more details in the grading section.

Course 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.

Course Goals

This course is designed to familiarize the student with such fundamental mathematical concepts as polynomials, linear and quadratic equations, exponential functions, and logarithmic functions.

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.
8. Graph and solve systems of two linear equations.
9. Accurately communicate mathematical terminology and notation, both verbally and in writing

Course Materials and Resources

- Open Educational Resources. AI created content. All built in Webcourse. No cost.
 - More resources and optional practice: A student can go to the Teachers tab on their homepage or type in [khanacademy.org/coaches](https://www.khanacademy.org/coaches) and join their class with this code **R5GBU78M**. Or use <https://www.khanacademy.org/join/R5GBU78M>. It's best if you create an account using UCF email for this course.
- UCF ID
- May use a scientific calculator but not a graphing calculator and not a cellphone/tablet calculator. TI-30XA is provided during testing. It's best to buy one and practice with it.
- Notebook to write your math work.

Required Academic Activity:

As of Fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. To document that you began this course, please complete the following academic activity by the due date as short quiz in Webcourses no later Friday, 6/28/24. Failure to do so may result in a delay in the disbursement of your financial aid.

Course Activities & Submissions

To accomplish the student learning outcomes, the following assignments are required. Weekly homework, course activities, Artificial Intelligence assignments, Tests, and a Final Test.

Assessment and Grading Procedures

Assignments	Percentage
Homework in Webcourses. 5 attempts. Questions will be different. Best attempt is recorded. Write notes/work during each attempt.	12% 1 lowest is dropped.
Course Activities in class. Completed in class. 5 attempts. Questions will be different. Best attempt is recorded. They are like open notes quizzes. Write notes/work during each attempt. Not timed. Yet arrive on time to have plenty of time. Collaboration among classmates is encouraged.	15% 4 lowest are dropped.
AI Activities in Webcourses. Due on Fridays.	10%
Pre-Test. Done in class during the first week. Full credit will be given to any submission.	3%
Tests 1 and 2. Completed in class. 1 attempt each. Test 1 (7/11/2024): HW1 to HW3 Test 2 (7/25/2024): HW1 to HW5	40% PROCTORED. One lowest test out of 1 or 2 may be replaced with final test score if final test score is higher. In case anyone is found adopting unfair means (cheating), the student

	will earn zero for the test(s), and all two tests will count, and no score is dropped.
Final Exam (8/1/2024). Completed in class. 1 attempt. Comprehensive (HW1 to HW6).	20% PROCTORED. We have 1 final exam that is required. It can't be dropped. If a student fails to appear will be awarded an F regardless of the average.

- **Besides the dropped assignments and final replacing lower test mentioned above no extra credit is granted in this course.**
- *With the dropped assignments and final replacing lower test no make-up is allowed unless it satisfies make up policy. Don't miss assignments.*

Final Grades

Letter Grade	Points
A	90 – 100
B	80 – 89
C	70 – 79
NC	40 – 69
F	39 or below

Make-up Exams and Assignments: 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. We grant several excused assignments as dropped scores for everyone. See the grading section.

Progressing, Taking Tests Early or Completing the Course Early

Taking Test Early	Criteria	
Test 1	Have 90% or better on all assignments before test 1.	Early tests are given after week 1 during class meetings. Must meet criteria to take a test early.
Test 2	Have 90% or better on all assignments before test 2. Have 80% or better on Test 1.	
Final Test	Have 90% or better on all assignments before final test. Have 80% or better on Test 1 or 2.	

The criteria is a guide and only the instructor can decide if you are eligible to complete the course early. Your instructor will also make recommendations based on your performance and major.

Email Policy

You are asked to read this entire document and be knowledgeable.

1. Please contact technical support when you have issues with Webcourses. 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 UCF email to contact your instructor you must include your full name and class meeting days and times.
4. Your instructor will not reply to communications from non-UCF addresses.
5. Emails about excused absences must FIRST have acceptable documentation attached. Keep in mind that some assignments include some drops/excused and you'll use that option in many cases.
6. Emails will be answered the next business day in the order in which they were received.

Academic Integrity Statement

Students should familiarize themselves with UCF's Rules of Conduct at <https://scai.sdes.ucf.edu/student-rules-of-conduct>. 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 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.
8. Soliciting assistance with academic coursework and/or degree requirements.

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](#). UCF faculty members have a responsibility for students' education and the value of a UCF degree, and so seek to prevent unethical behavior and respond to academic misconduct when necessary. Penalties for violating rules, policies, and instructions within this course can range from a zero on the exercise to an "F" letter grade in the

course. In addition, an Academic Misconduct report could be filed with the Office of Student Conduct, which could lead to disciplinary warning, disciplinary probation, or deferred suspension or separation from the University through suspension, dismissal, or expulsion with the addition of a “Z” designation on one’s transcript.

Being found in violation of academic conduct standards could result in a student having to disclose such behavior on a graduate school application, being removed from a leadership position within a student organization, the recipient of scholarships, participation in University activities such as study abroad, internships, etc.

Let’s avoid all of this by demonstrating values of honesty, trust, and integrity. No grade is worth compromising your integrity and moving your moral compass. Stay true to doing the right thing: take the zero, not a shortcut.

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 access to course content due to course design limitations should contact the professor as soon as possible. Students should also contact Student Accessibility Services (SAS). For students connected with SAS, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential course access and accommodations that might be necessary and 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. Further conversations with SAS, faculty and the student may be warranted to ensure an accessible course experience.

Instructor Note: If you have accommodation for proctored tests use it. If you don’t make a manual reservation with SAS Office to take a test your accommodation can’t be used in the MALL. A student cannot retake a test because the student failed to make a reservation.

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 <https://centralflorida-prod.modolabs.net/student/safety/index>.
- 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 <https://ehs.ucf.edu/automated-external-defibrillator-aed-locations>.

- To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to <https://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,” and fill out the information, including e-mail address, cell phone number, 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>.

Campus Safety Statement for Students in Online-Only Courses

Though most emergency situations are primarily relevant to courses that meet in person, such incidents can also impact online students, either when they are on or near campus to participate in other courses or activities or when their course work is affected by off-campus emergencies. The following policies apply to courses in online modalities.

- To stay informed about emergency situations, students can sign up to receive UCF text alerts by going to <https://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,” and fill out the information, including e-mail address, cell phone number, 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.

Deployed Active Duty Military Students

Students who are deployed active duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible after the semester begins and/or after they receive notification of deployment to make related arrangements.

Religious Observances

Students must notify their instructor in advance if they intend to miss class for a religious observance. For more information, see the UCF policy at <http://regulations.ucf.edu/chapter5/documents/5.020ReligiousObservancesFINALJan19.pdf>.

Title IX Policy

Title IX prohibits sex discrimination, including sexual misconduct, sexual violence, sexual harassment, and retaliation. If you or someone you know has been harassed or assaulted, you can

find resources available to support the victim, including confidential resources and information concerning reporting options at <https://letsbeclear.ucf.edu> and <http://cares.sdes.ucf.edu/>.

UCF Cares

During your UCF career, you may experience challenges including struggles with academics, finances, or your personal well-being. UCF has a multitude of resources available to all students. Please visit UCFCares.com if you are seeking resources and support, or if you are worried about a friend or classmate. Free services and information are included for a variety of student concerns, including but not limited to alcohol use, bias incidents, mental health concerns, and financial challenges. You can also e-mail ucfcares@ucf.edu with questions or for additional assistance. You can reach a UCF Cares staff member between 8 a.m. and 5 p.m. by calling 407-823-5607. If you are in immediate distress, please call Counseling and Psychological Services to speak directly with a counselor 24/7 at 407-823-2811, or please call 911.

Schedule is shown in Webcourses.

The instructor reserves the right to modify this syllabus at their discretion. Any changes will be announced.