



## MAC 1105C.0002: College Algebra

Mathematics, College of Sciences 3.0

MoWe 10:00AM - 11:15AM

### Instructor Information

- Instructor: Rachid Ait Maalem Lahcen
- Office Location: Mathematical Sciences Building -Office 221
- Office Hours: M 4:00-5:00pm, T 1:30-2:30pm, TH 11:30pm-2:30pm
- Phone: (407) 823-4005 (during office hours)
- Digital Contact: Webcourses@UCF messaging or [rachid@ucf.edu](mailto:rachid@ucf.edu)

### Teaching Assistant

- GTA(s): Corey Aronoff
- Email: Webcourses@UCF messaging
- Office hours: Tu Th 11:30am-14:00pm Office: MSB240A (Inside the lab)

**Course Description:** GEP courses in mathematics are designed to develop critical thinking as well as quantitative decision making skills. College Algebra (MAC1105), a foundation course, is designed to familiarize a student with fundamental mathematical concepts so that the student can think logically and will be able to apply different strategies to solve a variety of real life problems through algebraic tools. This mission supports the university goal to offer the best undergraduate education available in Florida. PR: Appropriate score on the UCF Math Placement exam, or MAT 1033C with a "C" (2.0) or better, or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations.

**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.

**General Education Program - Mathematics Foundation:** Students will prepare to be well-informed citizens who can reason and can apply analytical, statistical, and computational methods to the challenges of a globally-diverse and technologically rich environment. This part of the GEP is designed to familiarize students with fundamental problem solving concepts, frameworks, and paradigms that will equip them to logically solve

a variety of real world problems. Courses which utilize problem solving stress the development of critical thinking skills as well as students' decision making skills

## Course Materials and Resources

### Required Materials/Resources

- **ALEKS 360 access card** (College Algebra 2<sup>nd</sup> Edition by Julie Miller). Temporary financial aid access code valid for two weeks will be provided (in Webcourses – ALEKS Module), in case of need, to help you start working until you purchase your own code. Code can be purchased at the UCF bookstore or directly from the course website, more information is available during first class and in Webcourses. You will also need to know your myUCF log in information. We will access ALEKS from Webcourses@UCF using a single sign on feature. Your instructor or graduate teaching assistant won't handle issues due to purchasing wrong materials from other places or online stores.
- **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 get them in advance and don't wait till test day.
- **TI30XA calculator**. Only the TI-30XA will be supplied on tests. It will not be supplied at any other time. It is best if you buy a Ti-30XA and practice with it. Proctors are not allowed to answer your questions about calculators use during tests. Also we can't help you with using any other calculator.
- **Regular notebook** (spiral-bound, binder) to keep neat and organized work.

### Student Learning Outcomes

- Apply Algebra techniques (evaluate, simplify, solve, transform, verify)
- Solve various types of equations and inequalities (linear, quadratic, rational, irrational, logarithmic, exponential)
- Understand the concepts of a function (apply definition, identify domain and range, use function notation)
- Build new functions from existing functions (understand relationship between a function equation, table and a graph. Identify sketch key points)
- Develop problem solving strategies
- Model, compute, and solve real world problems
- Acquire general education understanding and its connection to math

### Course Activities & Submissions

To accomplish the student learning outcomes, the following assignments are required: Weekly objectives, ALEKS pie progress, Weekly Quizzes, Discussions, Comprehensive Assessment, Three Tests, and a Final Test.

### Attendance/Participation

Attendance is required as stated in the grading section. This is a mixed mode class with both face to face and online requirements.

## Make-up Exams and Assignments

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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.

**See dropped scores in the grading section**

Personal or family Emergencies are not considered excused reasons.

## Assessment and Grading Procedures

Assessment	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. No extensions except if make-up policy is satisfied.
ALEKS Pie Progress 12/8/19 11:59pm  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 aren't fully learned or mastered.
Class Activities In ALEKS, in the classroom. They must be done during class meetings 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	10%  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. No make-ups except for UCF sponsored events.

<p>get an extension. Please log in a day before each class to see if you need to complete a knowledge check and complete it.</p>	
<p>Syllabus Quiz as required academic activity due 8/30/19 5:00pm. It remains open after 8/30/19 for two weeks.</p> <p>Comprehensive Assessment due 11/25/19 closes 12/3/19 11:59pm In ALEKS, It is proctored in MSB240/241/242. It may need two hours to complete so do not wait until the last minute. No extension. We encourage to use your own collected notes and a TI-30xa. You should not use any other help. You must submit it so your account does not lock.</p> <p>GEP Activity due 10/11/19. It is submitted in Webcourses.</p>	<p>5%</p>
<p>Test 1 (Objectives 1,2,3) 9/25 /19 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.</p> <p>Test 2 (Objectives 4,5,6,7,8) 10/23/2019 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.</p> <p>Test 3 (Objectives 8,9,10,11,12) 11/20/19 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.</p>	<p>Best 2 are 40%</p> <p>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.</p>
	<p>30%</p>

Final Test (All Objectives) Monday,  
December 9, 2019 10:00 AM – 12:50 PM

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.

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. You  
must appear to final examination in order  
to complete the course.

- No extra credit is granted in this course.

## Final Grades

Letter Grade	Points
A*	90-100
B*	80-89
C*	70-79
NC*	60-40
F	39 or below

\* Must take final test.

## Progressing and Completing the Course Early:

Test

Criteria

Taking test 1 early

Complete at least 35% pie and at least 85% on practice test 1

Taking test 2 early

Complete at least 65% 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 complete the course early (within five weeks) and your major requires Calculus, you should speak with your instructor about learning Trigonometry and PreCalculus.

## Course Schedule

Objectives are due on Fridays except the last objective. Please log in and link to ALEKS to see any objective status in Reports.

## Policy Statements

### 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 end results. Therefore, Attendance is mandatory and it helps you learn and resolve any issue. You should speak with your Lead TA or 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 TA or instructor will not conduct technical support via email.
2. It is best if you contact your instructor via Webcourses. It'll 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.
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## Academic Integrity

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

- *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.
- *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.
- *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.
- *Falsifying or misrepresenting* the student's own academic work.
- *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.
- *Multiple Submissions*: Submitting the same academic work for credit more than once without the express written permission of the instructor.
- *Helping another violate* academic behavior standards.

For more information about Academic Integrity, students may consult [The Center for Academic Integrity \(https://academicintegrity.org/\)](https://academicintegrity.org/).

For more information about plagiarism and misuse of sources, see "[Defining and Avoiding Plagiarism: The WPA Statement on Best Practices \(http://wpacouncil.org/node/9\)](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. \(http://goldenrule.sdes.ucf.edu/docs/goldenrule.pdf\)](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> (<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](http://sas.sdes.ucf.edu/) (<http://sas.sdes.ucf.edu/>) (Ferrell Commons 185, [sas@ucf.edu](mailto:sas@ucf.edu) (<mailto: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 in our class, everyone needs to work together. Students should be aware of the 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. Please make a note of the guide's physical location and consider reviewing the online version at [http://emergency.ucf.edu/emergency\\_guide.html](http://emergency.ucf.edu/emergency_guide.html) ([http://emergency.ucf.edu/emergency\\_guide.html](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, we may need to access a first aid kit or AED (Automated External Defibrillator). To learn where those items are located in this building, see <http://www.ehs.ucf.edu/workplacesafety.html> (<http://www.ehs.ucf.edu/Workplacesafety>) (click on link from menu on left).
- To stay informed about emergency situations, sign up to receive UCF text alerts by going to [my.ucf.edu](http://my.ucf.edu) (<http://my.ucf.edu>) and logging in. Click on "Student Self Service" located on the left side of the screen in the tool bar, scroll down to the blue "Personal Information" heading on your Student Center screen, click on "UCF Alert," fill out the information, including your 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.

[You CAN Survive an Active Shooter](https://youtu.be/NIKYajEx4pk) (<https://youtu.be/NIKYajEx4pk>)





<https://youtu.be/NIKYajEx4pk>

## Deployed Active Duty Military Students

If you are a deployed active duty military student and feel that you may need a special accommodation due to that unique status, please contact your instructor to discuss your circumstances.

## Copyright

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items. The use of these materials is strictly reserved for this online classroom environment and your use only. All copyright materials are credited to the copyright holder.

## Third-Party Software and FERPA

During this course you might have the opportunity to use public online services and/or software applications sometimes called third-party software such as a blog or wiki. While some of these could be required assignments, you need not make any personally identifying information on a public site. Do not post or provide any private information about yourself or your classmates. Where appropriate you may use a pseudonym or nickname. Some written assignments posted publicly may require personal reflection/comments, but the assignments will not require you to disclose any personally identity-sensitive information. If you have any concerns about this, please contact your instructor.

## Turnitin

In this course we will utilize turnitin.com, an automated system which instructors can use to quickly and easily compare each student's assignment with billions of web sites, as well as an enormous database of student papers that grows with each submission. Accordingly, you will be expected to submit assignments through the Canvas Assignment Tool in electronic format. After the assignment is processed, as an instructor I receive a report from turnitin.com that states if and how another author's work was used in the assignment. For a more detailed look at this process, visit <http://www.turnitin.com> [\(http://www.turnitin.com/\)](http://www.turnitin.com/)