College Algebra: MATH 1011-43013

I. Contact Information

Instructor: Professor B. Farman	**Office:** Walker 3-34
Email: farman@ulm.edu The best way to communicate with your instructor is via email. The official student university email address is *username*@warhawks.ulm.edu, so you should only use your Warhawks email account when communicating about matters related to this course. Emails should contain a subject line, a proper salutation, your first and last name, course number, and CRN (MATH 1011-43013). You should expect a response within one business day. If you do not receive a response within one business day, please resend the email.	
Office Phone Number: 318-342-1851 If you call your instructor's office and leave a voicemail message, you MUST also send an email.	
Office Hours: Monday-Thursday 2:00-4:30.	
Useful Websites: https://moodle.ulm.edu, https://learn.hawkeslearning.com/	
Hawkes Learning System Course Enrollment: **Product:** Precalculus 3rd Edition Plus Integrated Review **Instructor:** Blake Farman **Section:** Math 1011-43013 (Online) **Technical Support:** For technical questions concerning Hawkes Learning, visit http://support.hawkeslearning.com/supportcenter/ or call (800) 426-9538.	

✓After you read the syllabus completely, you are REQUIRED to complete the syllabus acknowledgement posted on Moodle. Failure to acknowledge the course syllabus will result in a grade of F for the course.

II. Course Description

In-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations.

Note to students: This course is meant to hold students to a very high standard in preparation for Math 1012 and Math 1031. For students who are not specifically required to take Math 1011 by their degree plan and students who will not be taking Math 1012 or Math 1031, Math 1009 is the recommended algebra course to satisfy your degree plan.

III. Course Prerequisite

A Math ACT score of 19 or higher or credit in a college level developmental mathematics course.

IV. Course Objectives and Outcomes

Students will apply and develop necessary skills to comprehend basic concepts and principles of algebra and mathematical logic. Students will develop necessary problem-solving skills and demonstrate an ability to apply these basic concepts and principles to problems in different academic disciplines. Students will acquire skills vital to their future success in Math 1012 or Math 1031.

V. Course Topics

- Perform operations with rational expressions and simplify complex fractions.
- Solve linear, absolute value, radical, rational, polynomial, exponential, and logarithmic equations.
- Solve quadratic equations by factoring, square root method, and quadratic formula.
- Simplify and perform operations with radicals and complex numbers.
- Solve linear, absolute value, polynomial, and rational inequalities.
- Evaluate functions, compose functions, and identify the domain, range, and other characteristics of basic functions and their graphs.
- Find the equation of a line given information about the line and graph linear functions.
- Graph a variety of functions using transformations.
- Find a function's inverse.
- Use distance, midpoint, and slope formulas.
- Find the standard form of the equation of a circle.
- Analyze domain, range, and other characteristics of quadratic, polynomial, rational, exponential, and logarithmic functions and their graphs.
- Solve application problems involving linear models, quadratic functions, and exponential growth and decay.
- Evaluate logarithms using properties.
- Solve 2x2 and 3x3 systems of linear equations by substitution and elimination methods.

VI. Instructional Methods and Activities

- Learning will be facilitated through online videos, zoom review sessions, and the online textbook. Online homework assignments, review quizzes, and tests will assess the student's ability to apply principles of algebra and mathematical logic to various disciplines. Homework assignments, review quizzes and tests will be completed using Hawkes Learning System. ULM

offers one-on-one tutoring in the MATH Center, and Math 1011 has a supplemental instructor who offers additional study sessions outside of class.

- It is the student's responsibility to learn how to use Hawkes. To register for Hawkes Learning, follow the instructions posted under **Resources** in Moodle.

VII. Evaluation and Grade Assignment

- For the course total, the final grade will be determined as follows:
  A = at least 90% B = 80-89.99% C = 70-79.99% D = 60-69.99% F = below 60%
- Undergraduate midterm grades will be posted online for students to view via Banner. Midterm grades indicate a student's status at mid-semester only and do not indicate the final performance outcome of a student.
- All assignments and tests must be completed before the last date scheduled for the course.
- Grades will be assigned according to the following:

Final Exam	Midterm Exam	Homework	Review Quizzes	Tests	Total
40%	30%	10%	10%	10%	100%

A. Tests

- Students will complete four 100-point 50-minute tests. Tests will be available online for three days beginning on the date listed in the course syllabus. Tests will be electronically graded and available for review immediately upon test submission. Failure to take the test during this time may result in a grade of zero (0) for the test.
- There will be two review quiz assignments for each test. These assignments count toward a student's course grade and are meant to be used in test preparation. Working the review quizzes repeatedly without the use of notes is one of the best ways to prepare for tests. The review quizzes are due at 11:59pm the day **BEFORE** the test opens.
- Required materials for testing include Hawkes username and password, a TI-30X II (S or B) calculator, blank scratch paper, and writing utensils.
- All phones and other electronic devices (including smart watches) must be OFF and out of sight during tests. Any violation of this will result in a loss of points for all parties involved.
- Students in need of additional testing accommodations must contact the Counseling Center (http://www.ulm.edu/counselingcenter/).
- Tentative test dates are: 9/7, 10/1, 10/29, and 11/23.

B. Proctored Midterm Exam

- Students will complete a 100-point 75-minute midterm exam. The midterm exam will be available online from Thursday, October 8, 2020 until 1:00 pm on Saturday, October 10, 2020. The midterm exam will be electronically graded and available for review immediately upon test submission. Failure to take the midterm exam during this time will result in a grade of zero (0) for the test. Contact your instructor immediately if an emergency causes you to miss the midterm exam.
- There will be two review quiz assignments for the midterm exam. These assignments count toward a student's quiz grade and are meant to use in test preparation. Working the review quizzes repeatedly without the use of notes is one of the best ways to prepare for tests.
- Required materials for testing include a Hawkes username and password, a TI-30X II (S or B) calculator, writing utensils, blank scratch paper, and a ULM ID to show the proctor. Students who fail to show a valid picture ID on the day of the midterm exam will not be allowed to take the midterm exam.
- All phones and other electronic devices (including smart watches) must be OFF and out of sight during tests. Any violation of this will result in a grade of zero for the midterm exam.
- Students in need of additional testing accommodations must contact the Counseling Center (http://www.ulm.edu/counselingcenter/).
- The midterm exam will be proctored by ProctorU Online Proctoring Services. You are responsible for registering with ProctorU, checking your equipment before testing, and scheduling your exam on the available testing dates. You are required to pay the proctoring fee to use ProctorU.

C. Proctored Final Exam

- Students will complete a 200-point 110-minute comprehensive final exam. The final exam will be available online from Monday, December 7, 2020 until 1:00 pm on Thursday, December 10, 2020. The final exam will be electronically graded and available for review immediately upon test submission. Failure to take the final exam during this time will result in a

grade of zero (0) for the test. Contact your instructor immediately if an emergency causes you to miss the final exam. There will be no make-up final exams unless approved by the director of the School of Sciences.

- There will be two review quiz assignments for the final exam. These assignments count toward a student's quiz grade and are meant for use in test preparation. Working the review quizzes repeatedly without the use of notes is one of the best ways to prepare for tests.
- Required materials for testing include a Hawkes username and password, a TI-30X II (S or B) calculator, writing utensils, blank scratch paper, and a ULM ID to show the proctor. Students who fail to bring a valid picture ID on the day of the final exam will not be allowed to take the final exam.
- All phones and other electronic devices (including smart watches) must be OFF and out of sight during tests. Any violation of this will result in a grade of zero for the final exam.
- Students in need of additional testing accommodations must contact the Counseling Center (http://www.ulm.edu/counselingcenter/).
- The final exam will be proctored by ProctorU Online Proctoring Services. You are responsible for registering with ProctorU, checking your equipment before testing, and scheduling your exam on the available testing dates. You are required to pay the proctoring fee to use ProctorU.

D. Homework (Certify)

- Completing the assigned homework is absolutely essential in order for students to complete the course successfully and to keep students current with the material and its applications. Homework will be administered online through Hawkes and can be completed anywhere with an internet connection.
- Homework assignments will be available at the beginning of each testing unit. All homework must be completed by 11:59pm on the due date as shown on the schedule found at the end of this document unless otherwise stated; however, it is strongly recommended that students complete the homework as soon as possible and ahead of schedule. **Technology issues arise but will not be accommodated.**
- Homework assignments can be attempted an infinite number of times prior to the due date. It is recommended that you complete the Practice using assistance features in Hawkes as necessary prior to attempting Certify. There is no assistance in Certify, and if you miss more than approximately 80% of the problems, you must restart Certify.
- Homework problems completed after the deadline will be penalized 25% per day late. Late homework for each testing unit will not be accepted after 11:59pm the night prior to that test.

E. Review Quizzes

- Review quizzes will cover the homework assignments noted on the course schedule and will be taken online. Two review quizzes will be available for each unit and each proctored exam to help you prepare for each unit test and the proctored exams.
- Review quizzes can be attempted an infinite number of times prior to the deadline, but only the highest score earned on each review quiz is used in grade calculations. The review quizzes are timed and must be completed by class time on the date shown on the course schedule; however, it is strongly recommended that students begin working the quizzes as soon as possible. **Technology issues arise but will not be accommodated.**
- Review quizzes CANNOT be completed after the deadline, and no one is eligible to take a make-up review quiz.

VIII. Class Policies and Procedures

At a minimum, all policies stated in the current ULM *Student Policy Manual & Organizational Handbook* should be followed (see *http://www.ulm.edu/studentpolicy/*). Additional class policies include:

A. Textbook and Materials:

- **Software (required):** Hawkes Learning System, Precalculus 3rd Edition Plus Integrated Review courseware, ISBN: 9781642772852
    - **You must register for a Hawkes account by the beginning of the second week of classes.** Students who are waiting for financial aid may gain temporary access to Hawkes for 20 days, but it is necessary to validate the account by purchasing access to Hawkes prior to the end of the 20-day period. A temporary account will be disabled after 20 days which could result in the loss of completed assignments. Failure to maintain an active Hawkes account for the entire semester will result in a grade of F for the course.
- **Calculator:** TI-30X IIS or TI-30X IIB (2-line display) scientific calculator. A cell phone cannot be used as a calculator. No other calculator is permitted including graphing and multi-view calculators.
- **Materials Needed in the MRC (Walker 3-49):** ULM student ID, paper, writing utensils, calculator, textbook/lecture notes, Hawkes username and password.

B. Attendance Policy:

This policy replaces the one published in the 2020-2021 Undergraduate Catalog.

- Class attendance is regarded as an obligation and a privilege, and **all students are expected to attend all classes in which they are enrolled regularly and punctually**. Failure to do so may jeopardize a student's scholastic standing and may lead to suspension from the University. Students are responsible for the effect absences have on all forms of evaluating course performance.
- In accordance with University policy, the instructor will keep attendance records for each student.
- Excessive absences in an online course is defined as not logging in to Moodle or Hawkes for more than 14 consecutive days.

- A student accumulating absences of 25% of the class meetings regardless of the reasons (**excused or unexcused**) will be reported to the Dean of Arts, Education, & Sciences which could result in academic withdrawal from the course or a course grade of F. This may be avoided if the course is dropped; however, it is the responsibility of the student to drop the course. Class removal carries with it the penalties of being assigned a grade of W or F, whichever is appropriate, and no credit for the course. Academic withdrawal may negatively impact a student's full-time status.
- UNIVERSITY EXCUSES: Any University-related activity requiring an absence from class will count as an absence when determining if a student has met the minimum attendance requirement.
- Only students registered in mathematics courses may enter the MRC.

C. Make-up Policy:

- As per the student and faculty handbook, any tests missed due to: University-excused absence, accident, serious illness, or death of an immediate family member may be rescheduled if the student provides appropriate documentation to his instructor. It is the student's responsibility to contact the instructor via email within **one business day** of returning to campus explaining the absence and to provide documentation prior to rescheduling a missed test. A missed test due to an undocumented or unexcused absence may not be rescheduled, and the student will receive a zero (0) on the test.
- Since tests are available for multiple days, the excuse must cover all days of the test availability in order to be accepted.
- If a university event causes the student to miss a test (all days of test availability), the student should take the make-up test before the scheduled test. In such cases, the student must make arrangements with his instructor at least one week before the scheduled test.
- A missed test due to an undocumented or unexcused absence may not be made up, and the student will receive a zero (0) on the test or quiz. Failure to take a scheduled make-up test or quiz will result in a zero (0) for that test or quiz.
- Review quizzes CANNOT be completed after the deadline. Since review quizzes are available well before deadlines, students CANNOT make-up missed review quizzes.
- Homework problems completed after scheduled deadlines will be penalized 25% per day late. Late homework for each testing unit will not be accepted after 11:59pm the night prior to that test. Since homework assignments are available well before deadlines, students CANNOT make-up missed homework assignments.

D. Academic Integrity:

- Faculty and students must observe the ULM published policy on Academic Dishonesty (see the ULM Student Policy Manual -- http://www.ulm.edu/studentpolicy/).
- Anyone cheating in any manner will receive a grade of 0 on all involved work and will be reported to the Dean of Students which could result in removal from the course and possibly from the university.

E. Course Evaluation Policy:

- At a minimum, students are expected to complete the online course evaluation.

F. Student Services:

- Information about ULM student services such as Student Success Center: http://www.ulm.edu/cass/; Counseling Center http://www.ulm.edu/counselingcenter/; Special Needs at http://www.ulm.edu/studentaffairs/; Library http://www.ulm.edu/library/; Computing Center Help Desk http://www.ulm.edu/computingcenter/helpdesk.
- Current college's policies on serving students with disabilities can be obtained from the ULM website: http://ulm.edu/counselingcenter/.
- If you need accommodation because of a known or suspected disability, you should contact the director for disabled student services at: Voice phone: 318-342-5220; Fax: 318-342-5228; Walk In: ULM Counseling Center, 1140 University Avenue (this building and room are handicapped accessible).
- Mental Wellness on the ULM Campus: If you are having any emotional, behavioral, or social problems, and would like to talk with a caring, concerned professional please call one of the following numbers: The ULM Counseling Center 342-5220; The Marriage and Family Therapy Clinic 342-9797; The Community Counseling Center 342-1263.
- Remember that all services are offered free to students, and all are strictly confidential. If you have special needs that I need to be made aware, you should contact me within the first two days of class.

G. MATH Center:

The MATH Center is a mathematics only tutoring facility located in Walker Hall Room 3-46. MATH Center tutors are available during the hours listed below for in-person or online tutoring.

HOURS:

- MON – THU 1pm – 6pm
- FRI 10am – 1pm

MATH Center Procedures:

- You must scan in and out of the MATH Center using a ULM student ID or valid photo ID.
- You should bring all materials to the MATH Center: notebook, TI30 XII (S or B) calculator, writing utensils, etc. No materials will be provided for students in the MATH Center.
- Cell phone usage is not allowed in the MATH Center. Cell phones must be turned off and stored out of sight. Any visibility or use of a cell phone by a student within the MATH Center is grounds for immediate removal from the MATH Center.

H. Mathematics Resource Center (MRC):

The Mathematics Resource Center (MRC), operated by the ULM mathematics faculty, is located on the third floor of Walker Hall. The MRC is a mathematics learning center used for hands-on classroom experience and testing. The MRC is available for use by ULM faculty/students any time classes are in session. Testing is available only by appointment or faculty assignment.

I. Emergency Procedures:

- In the event of an emergency, calmly follow the directions given by the instructor.

J. Discipline/Course Specific Policies:

- Students must have a ULM Warhawks email address and must enroll in Hawkes by the beginning of the second week of classes. Failure to maintain an active Hawkes account for the entire semester will result in a grade of F for the course.
- Do not email or call your instructor regarding your course grades. The Family Education Rights and Privacy Act (FERPA) prohibits your instructor from discussing your grade in any manner except in person. Please do not have family members, friends, or anyone else contact your instructor about your grade as FERPA prohibits your instructor from sharing that information with them.
- The emergency number for the ULM Police Department is (318) 342-5350 and should be used for emergency calls. If the campus police are contacted about an emergency for a student, they will go to the student's class to inform the student.
- **Any policies given here may be altered by the instructor if deemed necessary. If this occurs, ample notice will be given.**

K. Technical Requirements (for Hybrid and Online Courses)

- The normal delivery method for this course requires instructional materials and interactions remotely. Because of this, all students will be expected to have the appropriate equipment, software, and telecommunication access.
- Students will be required to have access to a web camera (internal or external) and a microphone that can be used for Zoom meetings and online test proctoring.

The University of Louisiana at Monroe strives to serve students with special needs through compliance with Sections 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. These laws mandate that postsecondary institutions provide equal access to programs and services for students with disabilities without creating changes to the essential elements of the curriculum. While students with special needs are expected to meet our institution's academic standards, they are given the opportunity to fulfill learner outcomes in alternative ways. Examples of accommodations may include, but are not limited to, testing accommodations (oral testing, extended time for exams), interpreters, relocation of inaccessible classrooms, permission to audiotape lectures, note-taking assistance, and course substitutions.

Title IX of the Education Amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including federal loans and grants. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. If you encounter unlawful sexual harassment or gender-based discrimination, please contact Student Services at 318-342-5230 or to file a complaint, visit www.ulm.edu/titleix.

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IX. Tentative Course Schedule

A. Contact Information:

B. Tentative Course Schedule: The instructor reserves the right to adjust the schedule as needed.

- The last day to drop a course and/or resign from the university with a grade of "W" is October 27.

Day	Date	Lecture video/ Textbook Sections	Un-Proctored Test (Dates Available)	Hawkes Review Quizzes - Due by 11:59pm on date given	Hawkes Homework Deadline Due by 11:59pm
Mon	8/17	1.6a, 1.6b			
Tue	8/18				
Wed	8/19	1.7			1.6a: Linear Equations & Absolute Value Equations
Thu	8/20				1.6b: Literal Equations & Applications
Fri	8/21				1.7: Linear & Absolute Value Inequalities
Mon	8/24	1.4			
Tue	8/25				
Wed	8/26	1.5			
Thu	8/27				ULM Closed (Hurricane Laura)
Fri	8/28				ULM Closed (Hurricane Laura)
Mon	8/31	1.8a,b			ULM Closed (Hurricane Laura)
Tue	9/1				ULM Closed (Hurricane Laura)
Wed	9/2	1.9a,b			ULM Closed (Hurricane Laura)
Thu	9/3				ULM Closed (Hurricane Laura)
Fri	9/4				ULM Closed (Hurricane Laura)
Mon	9/7	*Labor Day Holiday*			
Tue	**9/8**				1.4: Rational Expressions 1.5: Irrational & Complex Numbers
Wed	9/9	2.1			
Thu	9/10				1.8a: Quadratic Equations 1.8b: Other Polynomial Equations
Fri	9/11		***Test 1: 1.4-1.8** (9/11 – 9/13)	Review Quiz 1A & Review Quiz 1B (9/10)	
Mon	9/14	2.2			
Tue	9/15				1.9a: Rational Equations 1.9b: Radical Equations
Wed	9/16	2.3			
Thu	9/17				2.1: Distance & Midpoint
Fri	9/18				2.2: Circles
Mon	9/21	2.4			
Tue	9/22				2.3: Linear Equations in Two Variables
Wed	9/23	2.5			
Thu	9/24				2.4: Slope & Forms of Linear Equations
Fri	9/25				2.5: Parallel & Perpendicular Lines
Mon	9/28	3.1a,b			
Tue	9/29				3.1a: Relations & Functions & Their Graphs
Wed	9/30	3.3a,b			3.1b: Implied Domain of Functions
Thu	**10/1**		**Test 2: 1.9, 2.1-2.5, 3.1 (10/1 – 10/3)**	Review Quiz 2A & Review Quiz 2B (9/30)	
Fri	10/2				
Mon	10/5	3.4			3.3a: Quadratic Functions
Tue	10/6				3.3b: Quadratic Functions Applications
Wed	10/7	4.1			
Thu	10/8	Proctored Midterm Exam: 10/8 – 10/10		Review Quiz MA & Review Quiz MB (10/7)	
Fri	10/9				

Day	Date	Lecture Video/ Textbook Sections	Un-Proctored Tests (Dates Available)	Hawkes Review Quizzes - Due by 11:59pm on date given	Hawkes Homework Deadline Due by 11:59pm
Mon	10/12	4.2			3.4: Piecewise Functions
Tue	10/13				4.1: Transformations of Functions
Wed	10/14	4.3			
Thu	10/15				4.2: Properties of Functions
Fri	10/16				4.3: Composing Functions
Mon	10/19	4.4			
Tue	10/20				
Wed	10/21	5.1a,b			4.4: Inverses of Functions
Thu	10/22	*Fall Break*			
Fri	10/23	*Fall Break*			
Mon	10/26	5.5a,b			5.1a: Polynomial Functions
Tue	10/27				5.1b: Polynomial Inequalities
Wed	10/28	6.1			
Thu	**10/29**		**Test 3: 3.3-3.4, 4.1-4.4, 5.1 (10/29-10/31)**	Review Quiz 3A & Review Quiz 3B (10/28)	
Fri	10/30				
Mon	11/2	6.2			5.5a: Rational Functions
Tue	11/3				5.5b: Rational Inequalities
Wed	11/4	6.3			
Thu	11/5				6.1: Exponential Functions & Their Graphs
Fri	11/6				6.2: Exponential Models
Mon	11/9	6.4			
Tue	11/10				
Wed	11/11	6.5a,b			
Thu	11/12				6.3: Logarithmic Functions & Their Graphs
Fri	11/13				6.4: Logarithmic Properties
Mon	11/16	6.5c			
Tue	11/17				
Wed	11/18	11.1a			6.5a: Solving Exponential Equations
Thu	11/19				6.5b: Solving Logarithmic Equations
Fri	11/20				6.5c: Exponential & Logarithmic Applications
Mon	11/23		**Test 4: 5.5, 6.1-6.5** (11/23 - 11/25)	Review Quiz 4A & Review Quiz 4B (11/22)	
Tue	**11/24**				
Wed	11/25	*Thanksgiving Holiday*			
Thu	11/26	*Thanksgiving Holiday*			
Fri	11/27	*Thanksgiving Holiday*			
Mon	11/30	11.1b			
Tue	12/1				
Wed	12/2				11.1a: Systems of 2 Equations & 2 Unknowns
Thu	12/3				11.1b: Systems of 3 Equations & 3 Unknowns
Fri	12/4				
Mon 12/7 - Thurs 12/10		**Proctored Final Exam:** 12/7 – 12/10		Review Quiz FA & Review Quiz FB	