

UNIVERSITY OF ALABAMA AT BIRMINGHAM
MA 102 (OV)
COURSE SYLLABUS

Term: Summer 2023

Section: OV

Instructor: Stephanie Phillips

Instructor email: stephphillips@uab.edu

Instructor office hours: Available upon request in person or via Zoom at a mutually agreeable time.

Instructor phone: Department of Mathematics, 205-934-2154

Weekly Course Meetings: Tuesdays and Thursdays, 10:20 am to 12:20pm in HHB 125 and HHB 202.

WITHDRAWAL - The last day to drop this course without the payment of full tuition and fees is June 12, 2023. The last day to withdraw from this course with a grade of *W* is July 14, 2023.

Students in this course are required to begin Homework 1 in MyLab and Mastering during the Drop/Add period of the term. Failure to begin Homework 1 by the end of the Drop/Add period may result in administrative withdrawal from the course. Students who add the course after the first day of class are required to contact the course instructor within 24 hours of enrollment for specific instructions.

NOTE: For Course Syllabi posted prior to the beginning of the term, the Course Instructor reserves the right to make changes prior to or during the term. The Course Instructor will notify students, via email or Canvas Announcement, when changes are made in the requirements and/or grading of the course.

PREREQUISITES - "C" or better in MA 096, Ma097, or MA 098, or "P" in MA 098. Or, beginning freshmen meet Math Screening requirements (see ACT Math Subscore/GPA Grid in the latest on-line UAB Class Schedule). Transfer students must have an appropriate score on the Advanced Screening Test to be eligible for MA 102.

Course Description: (3 semester hours). Absolute values, Cartesian coordinates, graphs of linear equations, concept of a function, linear systems, algebra of polynomials, factoring of polynomials, algebra of rational expressions, literal equations, word problems involving linear, rational and quadratic models, integer and rational exponents, radical expressions, rational, radical and quadratic equations, complex numbers.

Learning Outcomes:

- Students can solve linear equations and inequalities in one variable, can solve absolute value equations and inequalities, and can use interval notation and the real number line for describing solution sets. Students can graph linear equations in two variables and are able to recognize and use the equation of a straight line in different forms.
- Students can use the slope to identify parallel or perpendicular lines, can solve linear systems of two equations algebraically and by graphing lines, and can use linear systems of two equations to solve a variety of verbal problems.
- Students can perform arithmetic operations on polynomial expressions, factor polynomials, and solve polynomial equations by factoring. Students know that solving polynomial equations of higher degree is intrinsically difficult.
- Students can identify rational expressions and functions and their domains, can multiply, divide, add, and subtract rational expressions, simplify complex fractions, and solve rational equations.

- Students know the rules of exponents and can apply them to simplify expressions involving positive and negative rational exponents. Students are able to combine, multiply and divide radical expressions and solve radical equations.
- Students are able to solve quadratic equations by factoring, by the square root method, by completing the square, and by using the quadratic formula. Students can interpret square roots of negative numbers as complex numbers and perform arithmetic operations on complex numbers.
- Students can create, interpret, and use linear, polynomial, and rational models to solve problems in a variety of application areas.

This course is about developing quantitative reasoning ability as well as acquiring specific mathematical skills (algebra, arithmetic, etc.). The above learning outcomes are realized in the course with a variety of learning opportunities (group discussions, lecture, and computer-aided instruction)

MATERIALS: The MyLab and Mastering access code is required and is available through Canvas with the First Day Access Program. Use the *Course Materials* link in Canvas to see your access code for MyLab.

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 Canvas.

UAB will bill you at the discounted price as a course charge for this course. The charge should show as **Book Charges First Day** on the student's account in Banner.

It is **NOT recommended that students Opt-Out**, as these materials are required to complete the course. You can choose to Opt-Out on the first day of class, but you will be responsible for purchasing your course materials at the full retail price and access to your materials may be suspended.

For more information and FAQs go to customercare.bncollege.com.

Accessing MyLab and Mastering the first time to set up your account:

TO SET UP YOUR MYLAB ACCESS for this course, you must go to your Canvas course and click on "MyLabs & Mastering" on the left side of your Canvas home page. This must be done within Canvas. **The access code is available under the *Course Materials* link in Canvas.** All Homework, Quizzes, and Tests for this course are available through the MyLabs and Mastering link in Canvas.

STUDENT EXPECTATIONS STATEMENT

The Course Syllabus and Schedule serve as a Contract by which the student must comply. An excuse of "not knowing" information covered in these documents is not an acceptable excuse for making mistakes in this class.

- Students are required to complete weekly assignments and learning activities by the deadline. All deadlines are based on CENTRAL TIME. See the class schedule for details.
- Students are expected to maintain an active BlazerNet account. All official correspondence will be sent ONLY to the @UAB.edu email address.
- Students are expected to read the Schedule and Syllabus for this class in Canvas.
- Students are expected to check their UAB email daily and respond within 48 hours to instructor emails.

- **Students are expected to have a back-up plan** in the event their computer has operational problems, there is loss of electricity, or there is loss of Internet access. These are not an excuse for late or incomplete submission of assignments, nor are they acceptable reasons for an assignment deadline extension.
- **Students are expected to review their grades** by clicking on Check Your Grade in MyLab (<https://secure.cas.uab.edu/ml/db>) **on a regular basis.**

TECHNOLOGY REQUIREMENTS - Students must have:

- A UAB email account that can be accessed daily.
- Email software capable of sending and receiving attached files.
- Updated virus protection software, installed and active, to prevent the spread of viruses via the Internet and email.
- Equipment required by ProctorU (this includes an approved webcam). Please follow the instructions on the ProctorU handout for testing your equipment well in advance of the deadlines (see Canvas).
- Equipment that fully supports the Canvas Learning Management System and MyLab.

CLASS SCHEDULE – See Canvas for all assignment deadlines.

COURSE GRADES - Students earn their grade in the course by **accumulating points not by percentages**. No points are available after Thursday, August 10th, so students should earn as many points as possible throughout the semester by completing all assignments by the deadline. All assignment grades will be posted and maintained in the math department database, which can be accessed in by going to <https://secure.cas.uab.edu/ml/db/>. Do not rely on the Canvas gradebook or MyLab gradebook for an accurate representation of your grade.

See the following tables for point and grade distribution:

Grade Element	Max Pts per Assignment	No. of Assignments	Total Points
Homework	12	12	144
Lesson Preps	2	12	24
Discussions (Canvas)	10	8	80
Quizzes	6	12	72
Pre-Test Quizzes	8	10	80
Tests	100	4	400
Bonus Test Corrections HW	5	5	25
Final Exam	200	1	200
Total			1025
			Calculated out of 1000

Points Earned	Course Grade
880-1000	A
760-879	B
640-759	C
500-639	D
Below 500	F

COURSE STRUCTURE - This course is primarily computer-based. Students must have reliable access to **BlazerNet** so they can work on their assignments in MyMathLab and Canvas. All assignments are shown on your Canvas course calendar.

HOMEWORK: There are 12 homework assignments, and each is worth 12 points. Homework is completed and submitted in MyLab. ***An unlimited number of attempts can be made on each homework problem*** before the deadline, so students should be able to earn 100% on ALL HOMEWORK. If a problem is marked with a red (X) as incorrect, then the student can click on *Similar Exercise* at the bottom of the page and work another problem correctly for full credit (before the deadline). Students can go in and out of the homework as many times as they like before the deadline (all of the work is automatically saved). Students earn points for homework completed on or before the due date. **All homework is available at the beginning of the term**, so students may work ahead as much as they like. There are NO EXTENSIONS or make-ups for missed homework because the work can and SHOULD BE completed IN ADVANCE of the deadlines. **After the due date, students can review homework assignments and work similar exercises, but they can only earn 65% credit for work completed after the due date.** Grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database.

LESSON PREP VIDEOS: There are 12 video lessons in MyLab and each assignment is worth 2 points. **Printable Video Notes are available in Canvas - Modules.** Students should complete each set of video notes before beginning the corresponding homework assignment. For example, Lesson 1 Video assignment and notes should be completed before beginning Homework 1. Grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database.

DISCUSSIONS: There are 8 discussion assignments, and each is worth 10 points. Students will participate in an assigned small group to solve a problem and/or discuss a course-related topic. Discussion submissions may take place during class or on Canvas. Students are expected to fully participate in each discussion. There are no extensions or make-up for missed Discussions. NO late submissions or email submissions are allowed.

QUIZZES: There are 12 Quizzes, each is worth 6 points. Quizzes are completed and submitted in MyLab. Quizzes labeled "Lab" will take place on-campus in HHB 202. All other Quizzes students will take on their own schedule, but they can only earn the full 6 points if the Quiz is taken on or before the due date. **Students must complete the Quizzes BY THEMSELVES without assistance from any person, notes, textbook, or internet resources.** The Quizzes are timed, and they must be taken in one sitting within **30 minutes**. Students cannot exit the Quiz or that will count as one of their attempts. Each quiz can be taken twice, and the highest score attained will count. **All non-Lab Quizzes are available at the beginning of the term**, so students may work ahead as much as they like. There are NO EXTENSIONS or make-ups for missed Quizzes because the work can and SHOULD BE completed IN ADVANCE of the deadlines. **After the due date, students can review Quizzes and use the learning aids, but they can only earn 65% credit for a Quiz submitted after the due date.** Grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database.

PRE-TEST QUIZZES: There are 10 Pre-Tests Quizzes (2 parts for each Test) worth 8 points each. The due dates for Pre-Test Quizzes are set a few days ahead of the Test date. This gives students time to learn from the mistakes on the Pre-Tests and prepare for the Test. **The student's first attempt on the Pre-Tests should be completed by the due date without any outside help or notes. This will help students gauge their true mastery of the material before taking the high-stakes Test. If you score poorly on the Pre-Tests expect to also score poorly on the Test.** After submitting both Pre-Tests, students should click on "Review Your Previous Work" in MyLab. This will allow students to "Review" the Pre-Tests and use the learning aids to obtain mastery of the topics before taking the Test. **Students are allowed unlimited attempts on Pre-Test Quizzes.** Only the highest score will be kept. Grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database.

BONUS HOMEWORK ASSIGNMENTS: There are 5 Bonus Homework Assignments, each worth 5 points. The assignment content will be generated from the corresponding Test score and will open on the testing due date. Credit will be automatically given in the Bonus Homework for all problems answered correctly on the corresponding Test. Grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database.

TESTS/FINAL EXAM: There are four Tests (50-minute) and a Final Exam (120-minute). Each test is worth 100 points and the Final Exam is worth 200 points. All tests are proctored in HHB 202 Lab on the scheduled due date and submitted through MyLab. **Students are required to have a government issued photo ID during testing (UAB student ID, driver's license, etc).** Students must use the computer-based (Windows/Safari) scientific calculator during testing. NO personal calculators or cell phone calculators are allowed. Students will be provided with scratch paper during a test, but no credit is given for work done on the scratch paper. Students should use the restroom before starting a Test. If a student leaves the Lab during testing (for any reason including restroom needs) and is gone longer than 5 minutes, they will be required to immediately submit their Test upon returning to the Lab and complete a new version of the Test within the remaining class time. If a student leaves the Lab during testing more than once, the student's current Test will be submitted, and no further attempts will be offered. All Test grades will be displayed as a percentage in MyLab. The percentage will be converted to points when loaded into the math department database <https://secure.cas.uab.edu/ml/db/> .

In the event UAB moves to remote or hybrid learning, students will use ProctorU services for remote testing. Students may test their equipment by going to <https://test-it-out.proctoru.com/> . A webcam is required. **Note that the following cannot be used for testing with ProctorU:** Chromebooks, Tablets, Linux operating systems, Virtual machines, Windows 10 in S mode, Surface RT. For more information, visit <https://www.uab.edu/elearning/academic-technologies/proctoru>.

MAKE-UP WORK POLICY:

Missed Test/Test Retake: All MA 102 students will be given the opportunity to retake a **single test** of their choice from: Test 1, Test 2, Test 3, or Test 4. This applies to students who missed a test and those who are simply dissatisfied with their score. All students who would like another shot at a single test (T1-T4) will be given that opportunity. This applies to one Test per semester. If a student misses more than one test (regardless of the reason), only one will be retaken and all other missed Tests will receive a score of zero. If a student misses the retake Testing window date (see schedule), the original Test score or zero score will remain unchanged, and no additional opportunities will be available for retake or grade replacement.

Overdue assignments/Late penalty: Homework and Quiz assignments submitted after the due date will incur a 35% late penalty deduction. This late penalty applies to all MyLab Lesson Videos, Homework, and non-Lab Quiz assignments except for Week 1 assignments, Pre-Test Quizzes, and Bonus HW. Students should work well ahead of the due dates to avoid late penalties that might be caused by unexpected delays such as illness, accidents, or family emergencies.

Math Learning Lab (MLL):

The [Math Learning Lab \(MLL\)](#) in 202 Heritage Hall offers in person tutoring. Tutors will not be allowed to help with graded assignments, solve all of your problems, or work with you for extended periods of time, but they WILL help guide you so that you can complete your work independently. Be sure to bring your notes, work, and materials. No appointment is needed. The MLL is open Monday-Friday from the first day of class to the last day of class. Tutoring is NOT available during holidays, breaks, and Final Exam week. No food or drink allowed except bottled water.

Extended Absences: Attendance (online interaction) is fundamental to course objectives and to the integrity of this course. Courses in the Mathematics Department require a variety of activities that involve interaction with the instructor and/or interaction with other students. Excessive absences and missed assignments seriously jeopardize a student’s ability to successfully complete the course. In the event of excessive absences, students should be prepared to officially withdraw from the course through the Registrar’s Office. In cases involving medical hardships, military duty, or other serious personal situations after the withdrawal date for a course, the student may participate in the Academic Policy Appeal (accessed and submitted through Blazernet Links/Forms).

Prepare for Online Success:

Online courses require communication and time management skills. Consider the following videos for tips on Netiquette and Online Success.



https://mediaspace.uab.edu/media/Netiquette/1_ikw15pmk

https://mediaspace.uab.edu/media/Tips+for+Online+Success/1_shhemlum

Time Commitment - You are expected to spend a substantial amount of time working through the course activities and assignments every week. Please know that time management and self-motivation are key components for success in this course and courses in general. There is a lot to be gained in this course, so approach it with an open mind and lots of fun!



This is an online course worth 3 credit hours. You should prepare to spend about 9+ hours per week on course activities (watching the videos, participating in the discussions, and completing the MyLab assignments).

NON-HARASSMENT, HOSTILE WORK/CLASS ENVIRONMENT – The UAB College of Arts and Sciences expects students to treat fellow students, their Course Instructors, other UAB faculty, and staff as adults and with respect. No form of hostile environment or harassment will be tolerated by any student or employee. In this class we will only use constructive criticism and will work to build a community of lifelong learners.

HONESTY AND PLAGIARISM - The awarding of a university degree attests that an individual has demonstrated mastery of a significant body of knowledge and skills of substantive value to society. To ensure this, **UAB expects all students to abide by the UAB Academic Honor Code.**

DSS Accessibility Statement: UAB is committed to providing an accessible learning experience for all students. If you are a student with a disability that qualifies under Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act, and you require accommodations, please contact Disability Support Services for information on accommodations, registration and procedures. Requests for reasonable accommodations involve an interactive process and consist of a collaborative effort among the student, DSS, faculty and staff. If you are registered with Disability Support Services, please contact DSS to discuss accommodations that may be necessary in this course. If you have a disability but have not contacted Disability Support Services, please call 934-4205 or visit <http://www.uab.edu/dss> or Hill Student Center Suite 409.

Title IX Statement: The University of Alabama at Birmingham is committed to providing an environment that is free from sexual misconduct, which includes gender-based assault, harassment, exploitation, dating and domestic violence, stalking, as well as discrimination based on sex, sexual orientation, gender identity, and gender expression. If you have experienced any of the aforementioned conduct we encourage you to report the incident. UAB provides several avenues for reporting. For more information about Title IX, policy, reporting, protections, resources and supports, please visit <http://www.uab.edu/titleix> for UAB's Title IX Policy, UAB's Equal Opportunity, Anti-Harassment Policy and Duty to Report and Non-Retaliation Policy.