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

Term: Spring 2021
Section: ZNC
Instructor: Arein Duaibes
Instructor email: areindu@uab.edu
Instructor office hours: MWF 9:30-12 virtual (Zoom)
Instructor phone: Department of Mathematics, 205-934-2154

Weekly Course Meetings: Tuesdays, 9:30 am to 10:45 am in HHB 102.
Thursdays, 9:30 am to 10:45 am in HHB202 or Zoom.

Specific hybrid meeting format information will be emailed to students and posted on Canvas. Students should be available on the days and hours listed in the Class Schedule. Remote participation is allowed for meetings.

WITHDRAWAL - The last day to drop this course without the payment of full tuition and fees is January 26, 2021. The last day to withdraw from this course with a grade of *W* is April 23, 2021.

Students in this course are required to begin Homework 1 in MyMathLab during the Drop/Add period of the term. Failure to begin Homework 1 by the end of the Drop/Add period will result in administrative withdrawal from the course. Students adding 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 in order to be eligible for MA 102.

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.

Course Description: (3 semester hours). Absolute values. Cartesian coordinates. Graphs of equations. Concept of a function. Function notation. Lines. Linear systems. Word problems with linear models. Algebra of polynomials. Factoring of polynomials. Polynomial Division. Algebra of fractional expressions. Literal equations. Rational equations. Word problems with rational models. Integer and rational exponents. Algebra of radical expressions. Radical equations. Complex numbers. Introduction to quadratic functions. Quadratic equations.

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 work, lecture, and computer-aided instruction)

Materials: Intermediate Algebra MA 102 package, which includes (1) a *UAB Math 102 Student Workbook*, by Elena Kravchuk, Pearson/Prentice Hall, and (2) MyMathLab ACCESS CODE for MA 102, is required. **Students who are repeating the course should contact the course instructor about whether or not a new access code is required.**

Accessing MyMathLab the first time to set up your account:

*****TO SET UP YOUR MYMATHLAB 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 in Canvas.**

All Homework, Quizzes, and Tests for this course are available only in MyMathLab. You can also access all MyMathLab assignments through Canvas. There are several ways to purchase your MyMathLab access: Access Code (enter your printed code), Buy Now (credit card required), OR Pay Later (allows temporary access, no extensions when it expires)*.

***Once Pay Later (Temporary Access) has expired, you will be prompted to choose Access Code or Buy Now. You will no longer have access to your course materials and assignments in MyMathLab until you enter your code or purchase it.** Please note that there will be **NO EXTENSIONS for missed homework, quiz, or test deadlines due to failure to purchase access to your online materials.**

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. **There are NO EXTENSIONS of DEADLINES**. 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.
- The **Math Learning Lab** (**MLL**) is located in HHB202. For more information on tutoring (including remote Zoom tutoring), go to http://www.uab.edu/cas/mathematics/mll.
- **Students are expected to review their grades and participation** by clicking on Check Your Grade in MyMathLab (https://secure.cas.uab.edu/mll/db) **on a regular basis.**
- Students in this class will be expected to:
  - Speak and write Standard English.
  - Work cooperatively with others.
  - Possess independent reading and study skills at the university level.
  - Possess basic computer skills.

- Possess the appropriate computer software and hardware necessary for successful participation in the class if they choose to work outside the MLL.

TECHNOLOGY REQUIREMENTS - Students must have:

- A UAB email account that can be accessed on a daily basis.
- Email software capable of sending and receiving attached files.
- Students must have:
  - Reliable access to the Internet with a 56k modem or better.
  - 1 GB RAM or better.
  - 2GHz processor or better.
  - A personal computer capable of running MyMathLab. Students who use older or beta browser versions will have compatibility problems with MyMathLab.
  - Virus protection software, installed and active, to prevent the spread of viruses via the Internet and email. It should be continually updated!

CLASS SCHEDULE – See Canvas for all assignment deadlines.

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 13 homework assignments that are required, and each is worth 10 points. Homework is completed and submitted in MyMathLab. ***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.**

QUIZZES:
There are 13 Quizzes that are required, and each is worth 10 points. Quizzes are completed and submitted in MyMathLab. Once a Quiz is submitted in MyMathLab, it is scored and a percentage is given. Students take the Quizzes on their own schedule, but they can only earn the Quiz points if the Quiz is taken on or before the due date. **Students must complete the Quizzes BY THEMSEVLES without any assistance from another person**. 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 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.**

TESTS:
There are four major tests and a Final Exam. Tests are completed and submitted in MyMathLab. Each major test is worth 100 points and the Final Exam is worth 250 points. Once the test is submitted in MyMathLab, it is scored and a percentage is given. The UAB score for the test can be found online at https://secure.cas.uab.edu/mll/db/ or by clicking on "Check Your Grade" in MyMathLabPlus. Students must take the tests during the scheduled dates and times under supervised remote proctoring as described in this syllabus. All tests have a 50 minute time limit and must be taken in one sitting (Final Exam is 120 minutes). **Students must use the MyMathLab calculator or their computer** (Windows/Safari) **scientific calculator during testing**. NO personal calculators are allowed. Students may use scratch paper during a test, but no credit is given for work done on the scratch paper. **Students are required to have a government issued photo ID during testing (UAB student ID, driver's license, etc).**
Practice Tests are 5 Reviews (one for each test), and they count as ***extra points*** towards your total points. Each Review is worth 5 points. Reviews are completed and submitted in MyMathLab. Once a Review for a Test is submitted in

MyMathLab, it is scored and a percentage is given. The percentage will be converted to points and will be included in the student's total points. Students take the practice tests on their own schedule. A practice test is due on the same date as the associated test. **Students must complete the Reviews BY THEMSEVLES without any assistance from another person. The practice tests are NOT timed, and students may go in and out of them until they are ready to submit.** Each Review may be taken an unlimited amount of times, and the highest score attained will count.

Students will take the course tests in one of two ways:

1) In the Math Learning Lab in HHB202 on the scheduled lab meeting date for each test (see the course schedule for each test date).
2) Remote proctoring with ProctorU. You will find the information regarding ProctorU on Canvas. Please read the ProctorU handout information carefully before testing. Students will be able to test with ProctorU ON OR ONE DAY BEFORE the test due date shown on the course schedule. Students are required to schedule ProctorU appointments well in advance (at least a week is recommended).

PROCTORU Requirements: Students are responsible for the technical requirements needed. 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. **If you choose to wait until the due date to take your test, you are assuming the risk that some situation may prevent you from taking your test. Power outages, technical issues, and student personal problems are not acceptable reasons for missing a test deadline. STUDENTS ARE RESPONSIBLE FOR PROCTORU TESTING FEES THAT ARE NOT COVERED BY UAB eLearning. UAB eLearning will NOT cover late fees or convenience testing fees but may cover regular test fees.**

Although students may take tests with ProctorU, we reserve the right to require a student to retake a test with ProctorU if any testing inconsistencies or questions of academic integrity arise during the testing session or after the review of the recording by the instructor. Students will be responsible for payment of any fees to retake a test. Academic misconduct undermines the purpose of education and can generally be defined as all acts of dishonesty in an academic or related matter and <u>will not</u> be tolerated.

PROBLEMS/Group Discussions (found in the current Module in Canvas) – There are 6 problems and 6 discussions that will be completed in Canvas over the course of the semester. There are no extensions or make ups for missed Problems or Discussions. NO late submissions or email submissions are allowed.

For each discussion: Students are required to participate in a Group Discussion in Canvas (according to the Group Discussion Rules posted on Canvas) to solve a problem. Students will earn 0 or 7 points on each discussion. In general, partial credit is not awarded for partial participation. Students are expected to fully participate in each discussion. It is important that students read the requirements for participating in discussions that is posted in Canvas. Each discussion is open for two days. See your course schedule for details.

For each Individual Submission Problem: Students will submit their solutions to a problem in Canvas by the deadline (see Course Schedule). Students can earn up to 8 points on each individually submitted Problem. Partial credit may be given for the individual paper submitted according to the Rubric posted in Canvas. (Students will find that the discussion the week prior to each problem will be helpful in solving the individual submission problems.)

COURSE GRADES - Students earn their grade in the course by accumulating points. There is a maximum of 1000 points available. No points are available after the Final Exam is taken, so students should earn as many points as possible throughout the semester by completing all assignments by the deadline. NO late assignments are accepted or allowed, and no adjustments will be made. Note that **FINAL GRADES are awarded by TOTAL POINTS EARNED**, NOT by percentages

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/mll/db/. **Homework, Quiz, and Test grades are automatically updated and loaded into the database on a daily basis**. **See the following tables for point and grade distribution:**

Grade Element	Max Pts per Assignment	No. of Assignments	Total Points
Homework	10	13	130
Quizzes	10	13	130

Problems (Canvas)	8	6	48
Discussions (Canvas)	7	6	42
Tests	100	4	400
Final Exam	250	1	250
Total			1000

Points Earned	Course Grade
880-1000	**A**
750-879	**B**
620-749	**C**
500-619	**D**
Below 500	**F**

MAKE-UP WORK POLICY – In general, **NO MAKE-UPS are allowed**.
If a student misses **ONE** test during the semester, the student may complete a **Missed Test Request Form** by emailing the course instructor to request the form and returning the completed form by email to the course instructor no later than 12pm on the last day of classes (before final exam week). **Completing the Missed Test Request Form allows students to request that the Test 5 score earned will also be used to replace ONE missed test during the term. Note that only one missed test grade may be replaced.** It is strongly encouraged that students complete the test request form within 48 hours of the missed test.

Extended Absences: Attendance 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).

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.