

Syllabus for UWX MA091: Elementary Algebra

NOTE: This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

Course Description

Elementary Algebra is intended for students with little or no previous algebra experience. Topics include the real number system, operations with real numbers and algebraic expressions, linear equations and inequalities, polynomials, factoring, graphing linear equations, and an introduction to quadratic equations. A grade of C or better in UWXMA091 is required before advancing to UWXMA105.

Prerequisite(s)

There are no prerequisites for this course. This course does not carry Associate Degree credit, but may be required based upon placement test scores.

Course Outcomes

Upon completing this course, you will be able to do the following:

- Perform arithmetic calculations on real numbers and apply the order of operations
- Use variable notation to simplify and evaluate algebraic expressions
- Solve linear equations in one variable
- Apply the rules of exponents as applied to variable terms
- Add, subtract, multiply, and divide polynomials
- Solve polynomials using the appropriate factoring technique
- Produce, interpret and describe graphs
- Recognize, interpret, and reflect on growth mindset and fixed mindset

Course Requirements/Components

MyLab Math Homework

There are MyLab Math homework assignments for each section of content that we cover in the course that will be completed using the Pearson MyLab Math System software. All MyLab Math homework assignments are required to be completed by the posted deadline for the assignment. You may work on any MyLab Math homework after the posted deadline, but you will be assessed up to a 25% penalty if submitted after the deadline. All homework is due at 11:59 p.m. CST on the date provided.

Written Homework

Each written homework assignment is worth a maximum of 20 points for a total of 100 points. There are five written homework assignments that you will complete throughout the course. (One for each lesson in the course). Each written homework assignment has problems that are a representative sample of topics that are covered in each lesson. **You are required to include all the steps required to work each problem.** Once you are satisfied with your assignment, you will need to upload your assignment by the deadline.

Each written homework assignment should be submitted as a single Word document or PDF file. You will upload your written homework assignment for that lesson in the course by the posted deadline for the lesson. Most students prefer to hand write their work and then either scan their work or take pictures of their work and upload the pictures to a word file.

No late submissions will be accepted without prior approval from the instructor. Please contact your instructor if you believe an assignment might be late and watch for a response from your instructor. All Homework is otherwise due at 11:59 p.m. CST on the date provided

Discussions/Orientation

Course participation will be measured through six discussions. Each discussion will be worth 1% of your overall grade. There is also an orientation assignment at the beginning of the semester and that will be worth 2% of your overall grade. For each discussion you will be required to create a post and also respond to at least another student. Students are expected to provide substantive posts. Simply restating what someone has already said doesn't cut it. Your instructor will often respond and help to guide conversation as well and you will be expected to respond to both students and instructors. A discussion rubric will be available for each discussion.

Students who participate in the course by working with others, tend to do better overall in the course. Discussion boards are a great way to connect and offer support, encouragement, and make connections!

Quizzes

There are 6 regular quizzes that you will be required to take, each worth 2.5% of your grade and one final exam review quiz that is worth 5% of your overall grade. These quizzes are included in the MyLab Math System software. You will have two attempts at each quiz. You should take the first attempt without using any resources, so that you have a better idea of what you have retained and where you need to continue to study. Though you may use any resources available to you during a quiz, remember that the purpose of a quiz is to give you feedback on how well you know the material. Because of this, it is strongly suggested that you do not use additional resources!

The quizzes are automatically graded in MyLab Math, but your instructor will always go in and review your quizzes. You should also take advantage of the option to upload your quiz work. This is not required, but the instructor can provide valuable feedback for you if you choose to use it and also grade on partial credit. Your instructor will upload the points earned for these quizzes into your Canvas grade book. All quizzes are due at 11:59 p.m. CST on the date provided.

Exams

There are three exams during the course, each worth 10% of your final grade. The exams will be available through a window of time and are remotely proctored through Proctorio. The time limit on each exam is two hours. A scientific calculator is allowed. Graphing calculators are not allowed. You may use one single page, one side only for notes. The page is not to exceed 8.5 in by 11 in in size.

Your handwritten work for the exams must match the input in MyLab Math and should show all steps in order to receive partial credit. Directions for submitting the exam are provided in the course and will be communicated to you in the Exam instructions.

You need to be sure that your webcam and microphone are working properly as it is a required component to the test taking process.

Final Exam

The final exam will be comprehensive and will cover the entire semester of work. The final exam is not optional. You must take the final exam, regardless of your point value in the course. Failure to take the final exam will result in failing the course. The final exam is due at 11:59 p.m. CST on the date provided. You will have three hours for the final exam.

A scientific calculator is allowed. Graphing calculators are not allowed. You may use one single page, one side only for notes. The page is not to exceed 8.5 in by 11 in in size.

Your handwritten work for the exams must match the input in MyLab Math and should show all steps in order to receive partial credit. Directions for submitting the exam are provided in the course and will be communicated to you in the Exam instructions.

You need to be sure that your webcam and microphone are working properly as it is a required component to the test taking process.

Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	93% - 100%
A-	90% - 92%
B+	87% - 89%
B	83% - 86%
B-	80% - 82%
C+	77% - 79%
C	73% - 76%
C-	70% - 72%
D+	67% - 69%
D	60% - 66%
F	59% and under

Assignment	Points
MyLab Math Homework	896
Written Homework 5 @ 20 points	100
Discussions 6 @ 10 points	60
Quizzes 6 @ 25 points	150
Exams 3 @ 100 points	300
Final Exam	100
Total Points	1606