



WACO, TEXAS

**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

**ELEMENTARY ALGEBRA
LINKED ONLINE**

MATH 0311.LF1
(Linked with Math 0307.L81)

LISA LINDLOFF

NOTE: This is an 8-week linked, online course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals. We are also concerned for your safety. We are working through COVID-19 guidelines to make sure we offer a safe environment for you and our faculty. This will include smaller class sizes to manage social distancing and proper cleaning techniques. You will have the advantage of a physical classroom experience but may also need to work part of the time online as we adjust to limited classroom capacity. This will also allow us the flexibility to move online if so directed by federal, state and/or local COVID 19 guidelines. Faculty and staff are preparing now to ensure that you have the best experience in the midst of these uncertain times.

INTERMEDIATE ALGEBRA

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Course Description:

Intermediate algebra provides further study of algebraic concepts, operations, and applications to real world problems. Additional topics may include factoring polynomials and solving equations with quadratic models, operations with rational expressions and solutions of rational equations, further investigation of linear functions and linear inequalities, operations with radical expressions and solutions of radical equations, various solution methods for quadratic equations, graphing quadratic functions, and graphing systems of linear inequalities. Prerequisite: MATH 0307, or THEA math score between 230-270, or equivalent score on approved alternative test, or consent of division director. Semester Hours 3 (3 lec)

Prerequisites and/or Corequisites:

MATH 0307, or THEA math score between 230-270, or TSI math score between 342-349, or equivalent score on approved alternative test, or consent of division director.

Course Notes and Instructor Recommendations:

This is an 8-week course linked to Elementary Algebra (Math 0307). Both of the linked courses are accessed through Brightspace. They will use a single MyMathLab Access payment to save you money. All assignments will be available at this site, as well as an electronic version of the text, class notes, and both publisher and instructor lecture videos. There are review for tests and numerous other learning aids available. **This course in an online format involves using the internet to view all lessons, do homework, and take tests. No visits to campus are required in the online format. Both of the linked classes are accelerated into an 8-week format. Math 0307 will be during the first 8 weeks and Math 0311 will be during the last 8 weeks of the 16-week semester.**

Instructor Information:

Instructor Name: Lisa Lindloff

MCC E-mail: llindloff@mclennan.edu

Office Location: MATH 215

Office Phone Number: 254-2998802

Office/Teacher Conference Hours: TBA

Required Text & Materials:

Title: MyMathLab Student Access Kit. You will use the same one used for Math 0307.

Author: N/A

Edition: N/A

Publisher: Pearson

ISBN-13: 9780321199911

Any scientific calculator is acceptable.

NO HARDCOPY BOOK IS REQUIRED

MCC Bookstore: <http://www.mclennan.edu/bookstore/>

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources, we encourage you to contact a success coach by calling (254) 299-8226. Students can visit the Completion Center Monday-Friday from 8:00 a.m.-5:00 p.m. to meet with a success coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) is open 12:00 p.m.-1:00 p.m., Monday-Friday, without an appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> find out more about the emergency grant. The application can be found [here](https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf) (https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf).

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be contacted/notified through your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

* [Click Here for the Minimum System Requirements to Utilize MCC's D2L|Brightspace](https://www.mclennan.edu/center-for-teaching-and-learning/Faculty%20and%20Staff%20Commons/requirements.html)
(<https://www.mclennan.edu/center-for-teaching-and-learning/Faculty%20and%20Staff%20Commons/requirements.html>)

Click on the link above for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college

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email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business. A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with her/his students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails.

Forwarding Emails:

You may forward the emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may become lost or placed in junk or spam filters.

Methods of Teaching and Learning:

The following methods for teaching and learning will be used: lecture, online homework, written/online/group exams, and tutorial software. A three pronged approach is used in this course. For each instructional unit a worksheet, worked out notes for the worksheet, and video recording of the problems being worked will all be available on the website companion to this class which is accessed through Brightspace.

Course Objectives and/or Competencies:

Upon successful completion of this course, students will:

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
6. Model, interpret and justify mathematical ideas and concepts using multiple representations.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of

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other disciplines.

Course Outline or Schedule:

This is a SUGGESTED weekly schedule. Changes will be announced in class and/or in the student's online announcement portal. Course objectives are indicated beside each test.

Week 1	6.1 Factoring Polynomials GCF 6.2 Factoring Trinomials 6.3 Cont. Factoring Trinomials 6.5 Factoring Binomials	Week 5	9.4 Graphing Linear Inequalities in Two Variables and Systems R Review Chs. 3,8,9 (OBJ 4,5,6) T Test Chs 3,8,9 10.1 Intro Radicals 10.2 Rational Exponents
Week 2	6.6 Solving Quadratic Eq by Factoring 6.7 Problem Solving w/Quadratics R Review Ch 6 T Test Ch 6 (OBJ. 1)	Week 6	10.3 Simplifying Radicals 10.4 Add, Subtr, Mult Radicals 10.5 Rationalizing Denominators 10.6 Equations w/ Radicals 10.7 Complex Numbers T Test Ch 10 (OBJ. 7,8)
Week 3	7.1 Rational Functions & Simplifying 7.2 Mult & Div Rational Expressions 7.3 Add & Subtr Rational Exp w/LCD 7.4 Add & Subtr Rational Expressions 7.5 Solving Equations w/ Rationals 7.6 Problem Solving w/ Rationals 7.7 Complex Fractions	Week 7	6.6 Solving Quadratic Eq by Factoring 11.1 Solving Quadratic Eq by Square Root Property and Completing the Square 11.2 Solving Quadratic Eq by Quadratic Formula Graphing Quad Functions in Standard Form 11.5 Graphing Quad Functions in General Form 11.6 Form R Review Ch 11 T Test Ch 11 (OBJ. 9,10,11)
Week 4	R Review Ch 7 T Test Ch 7 (OBJ. 2,3) 3.6 Functions 8.1 Graphing & Equations of Lines 8.2 Function Notation 8.3 Transformations 9.2/9.3 Absolute Value Equations and Inequalities	Week 8	R Review for Final Exam FE Final Exam (OBJ. 1-11)

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Course Grading Information:

Grading in this course will be based on homework, unit/chapter tests, and a comprehensive final exam according to the following percentages.

Online homework average: 20%

Test average: 60%

Before each test is available (online or face to face), all homework assignments must be completed with at least a 70% score for that unit. A variety of testing modes may be used.

Final exam grade: 20%

Having someone else do your online homework assignment and cheating on a test are both violations of the academic integrity policy and either may result in failing grades and/or being dropped from the class.

Late Work, Attendance, and Make Up Work Policies:

This is an online class with some flexibility in working on the course. All homework, tests, and final exam are due at the end of the semester. Nevertheless, there are weekly requirements to keep from being counted absent and possibly dropped from the class. **My course definition of a week is Sunday morning until Saturday night. Specific assignments are to be completed during each week. You may be counted absent if you do not submit the assignments as indicated in the calendar. Because this is only an 8-week class, if you accumulate 2 weeks of absences, you may be dropped from the class. You may work ahead. Otherwise, please try to follow the calendar.**

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance, and an attitude that seeks to take full advantage of the education opportunity. Students are expected to come to class prepared and with supplies necessary to participate actively in each class meeting.

MCC Academic Integrity Statement:

* [Click Here for the MCC Academic Integrity Statement](#)

(www.mclennan.edu/academic-integrity)

The link above will provide you with information about academic integrity, dishonesty, and cheating.

* [Click Here for the MCC Attendance/Absences Policy](#)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have guidelines specific to this course.

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Accommodations/ADA Statement

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. Instructors should not provide accommodations unless approved by the Accommodations Coordinator. For additional information, please visit mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu

254-299-8122

Room 319, Student Services Center

TITLE IX

*** [Click Here for more information about Title IX](#)**

(www.mclennan.edu/titleix)

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Vice President for Student Success) at 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC by calling 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting the following website: <http://www.lighthouse-services.com/mclennan/>. McLennan's Title IX webpage (<http://www.mclennan.edu/titleix/>) contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence or domestic violence.

** You will need to access each link separately through your Web browser (for example: Internet Explorer, Mozilla, Chrome, or Safari) to print each link's information.*