MATH 1314-2B4 College Algebra

INSTRUCTOR CONTACT INFORMATION

Instructor:	Emily Rueda
Email:	erueda@lit.edu
Office Phone:	409-247-5163
Office Location:	T5 Room 106
Office Hours:	*Subject to change—any changes will be communicated to students via an announcement in Blackboard*

Monday: 7:30 – 9 am, 10 – 11:30 am
Tuesday: 7:30 – 9:30 am
Wednesday: 7:30 – 9 am, 10 – 11:30 am
Thursday: 7:30 – 9:30 am

- We will be communicating with phone calls and announcements and messages through Blackboard.
- Do NOT use your personal e-mail to contact me. I will not respond to any personal e-mail.
- I will check my messages Monday through Friday (not on weekends).
- I will try to respond to you within 24 hours but please do not leave things for the last minute!

MODE OF INSTRUCTION
Online

PREREQUISITE/CO-REQUISITE:
Option #1: Score 950 or above 950 on the math portion of the TSI test
Option #2: Score 949 or below 949 with a 6 or higher on the diagnostic portion of the TSI math test
Option #3: Earn a grade of C or better in TMTH 0375

COURSE DESCRIPTION
In-depth study and applications of polynomial, rational, radical, exponential, and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to:
1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential, and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve, and apply systems of linear equations using matrices.

CORE OBJECTIVES
1. Critical Thinking Skills: To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

Approved: Initials/date

2. Communication Skills: To include effective development, interpretation and expression of ideas through written, oral, and visual communication.

 3. Empirical and Quantitative Skills: To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

REQUIRED TEXTBOOK AND MATERIALS

1. MyMathLab Standalone Access Code

    a. Once a student has access to this class in Blackboard, they will be able to access the Pearson website and purchase a code online directly from Pearson.

    OR

    b. May be purchased at a local bookstore:

    ISBN 9780136483151---- 18 Weeks

    ISBN 9780135189849---- 24 Months

- Additional course policies/information regarding MyMathLab can be found under the "**Start Here**" section of your MATH 1314 Blackboard course.

2. **This class requires you to be proctored while taking ALL of your tests. The proctoring service will be provided by MyMathLab. You must have a computer (NOT a tablet, NOT a mobile device, NOT a chrome book, NOT a cell phone), a webcam, a microphone, and access to high speed internet.**

3. There is NO TEXTBOOK for this class but you will be responsible for printing out the class notes and exercises (located under the **Worksheets** section of your Blackboard MATH 1314 course).

4. A <u>basic scientific calculator.</u> Images of acceptable calculators for use in MATH 1314 may be found under the **Start Here** section of your MATH 1314 Blackboard course.

5. A binder, notebook paper, graph paper, a folder, pencils, erasers, and a ruler. Optional: highlighters

ATTENDANCE POLICY

Blackboard logon and access to course a minimum of four times per week.

DROP POLICY

If you wish to drop a course (if eligible), you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16- week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR---------Subject to Change-----------------
NOTE: A participation quiz is due every Monday. The last participation quiz is due on Thursday, May 2.

DATE	TOPIC	ASSIGNMENTS (Due on this Date) Please print a copy of the "**Due Dates for MATH 1314**" worksheet located under the *Weekly Assignments and Participation Quizzes* section of your MATH 1314 Blackboard course for all due dates. Your MyMathLab course also contains a list of all due dates.
Week 1: Feb 12 – Feb 18	Course introduction and policies. Review Topics, Using Your Calculator, and Netiquette and MML Orientation assignments; online contract, and practice test. Begin Chapter 1: Equations and Inequalities	Complete all introductory activities and assignments and begin working on MATH 1314 MyMathLab assignments.
Week 2: Feb 19 – Feb 25	Chapter 1: Equations and Inequalities	MATH 1314 MyMathLab assignments
Week 3: Feb 26 – March 3	Chapter 1: Equations and Inequalities Chapter 2: Graphs	• MyMathLab Chapter 1 assignments (including all other introductory assignments on MML) due • MyMathLab Chapter 1 Test due • Work on Chapter 2
Week 4: March 4-March 10	Chapter 3: Functions and Their Graphs	• MyMathLab Chapter 2 assignments (including the Core Assessment Activity for Chapter 2) due • MyMathLab Chapter 2 Test due • Work on Chapter 3
*********************	*Spring Break* *March 11 – March 15*	*****************************
Week 5: March 18-March 24	Chapter 3: Functions and Their Graphs	• Work on Chapter 3
Week 6: March 25-March 31	Chapter 3: Functions and Their Graphs Chapter 4: Linear and Quadratic Equations	• MyMathLab Chapter 3 assignments (including the Core Assessment Activity for Chapter 3) due • MyMathLab Chapter 3 Test due • Work on Chapter 4
Week 7: April 1 - April 7	Chapter 4: Linear and Quadratic Equations	• MyMathLab Chapter 4 assignments (including the Core Assessment Activity for Chapter 4) due • MyMathLab Chapter 4 Test due • Work on Chapter 5
Week 8: April 8 - April 14	Chapter 5: Polynomials and Rational Functions	Work on MATH 1314 MyMathLab assignments
Week 9: April 15 - April 21	Chapter 5: Polynomials and Rational Functions Chapter 6: Exponential and Logarithmic Functions	• MyMathLab Chapter 5 assignments due • MyMathLab Chapter 5 Test due • Work on Chapter 6

Week 10: April 22 - April 28	Chapter 6: Exponential and Logarithmic Functions Chapter 8: Systems of Equations	Work on MATH 1314 MyMathLab assignments
Week 11: April 29 – May 1	Chapter 6: Exponential and Logarithmic Functions Chapter 8: Systems of Equations	• Work on MATH 1314 MyMathLab assignments • MyMathLab Chapter 6 and 8 assignments due • MyMathLab Chapter 6/8 Test due **The last participation quiz is due on Thursday, May 2.**

COURSE EVALUATION

Final grade will be calculated according to the following criteria:

- Online Tests 60% (6 tests will be taken on MyMathLab using Respondus Lockdown Browser; 1 test will be the average of all participation quiz grades, your Course Introductions discussion board post, and your submitted completed Online Contract). More information will be given by the instructor.
- Course Assignments 40%

GRADE SCALE

- 90-100   A
- 80-89   B
- 70-79   C
- 60-69   D
- 0-59   F

LIT does not use +/- grading scales

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or

email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

STARFISH
LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION
1) The student must purchase all of the required course materials.
2) The student will be expected to have access to the Internet and a computer with webcam and microphone.
3) In your Blackboard course you will see the following sections listed:
   a. **Start Here** -- Make sure to read EVERY item in this section. This section contains the following:
      i. a "Welcome to MATH 1314!" video
      ii. information about the class (there is a VERY STRICT deadline policy in this course; make sure you are aware of it). More information about Course Assignments and Tests is listed below.
      iii. images of acceptable calculators for this class
      iv. an explanation of how your grade is calculated
      v. a "How to correctly record the testing environment video"
      vi. the syllabus
      vii. LIT policies
      viii. Starfish information
      ix. Netiquette information
      x. MyMathLab information and a MyMathLab registration video and
      xi. a free PDF reader
   b. **The Virtual Office** – Here you will find information about your instructor and how to contact your instructor.
   c. **Weekly Assignments and Participation Quizzes** – Here you will find a worksheet containing all of the due dates and a folder for each week of the semester. This folder contains each week's assignments, due dates, and participation quiz. Remember—a face-to-face class normally meets 3 hours per week. Therefore, you will be completing approximately 3 hours of recordings per week. This is IN ADDITION to any homework and/or tests assigned. So, please plan accordingly, manage your time, and do not attempt to do all of your math work in one sitting.

d. **Worksheets** – You are responsible for printing out all of the worksheets located here.
e. **Recordings** – All lecture recordings are located here.
f. **Go to MyMathLab!** –This is a direct link to MyMathLab.
g. Along the top of the screen of your MATH 1314 Blackboard tab you will see various tabs:
   i. **Discussions** – Don't forget to participate in the Introductions discussion board; it is not optional.
   ii. **Gradebook**—This is your gradebook. Don't forget—your gradebook is automatically counting a zero for any work not yet completed. This is why your average looks so low. As you take tests, complete assignments, etc… you will see your grade going up.
   iii. **Messages** – This is how we will be communicating in this course. Please do not send me emails.
   iv. **Announcements** – Every week I will send out at least one announcement. It is your responsibility to read these announcements.

4) **More Information about Course Assignments and Tests:**
   a. **Course Assignments (40%):**
      - Your course assignments are located on MyMathLab.
      - You must earn at least a 70% on an assignment in order to move on to the next assignment.
      - You will not be allowed to take a chapter test unless every assignment for that chapter has a grade of 70% or better.
      - Each assignment and each test has a due date
      - You will receive a ZERO for any assignment not completed by its due date **and** you will receive a ZERO for that chapter's test (since you cannot take a chapter test unless all chapter assignments have a grade of at least 70%)
      - No assignments will be re-opened once the due date passes.
   b. **Tests (60%):**
      - **6 of your tests are on MyMathLab**
        - Each test has a due date. Once this due date passes, the test will not be re-opened. Any test not taken by the due date will receive a grade of zero.
        - You will not be allowed to take a chapter test unless all of the assignments for that chapter have a grade of 70% or better and are completed by their due date.
        - You will have 1 testing opportunity per test (but only if you complete the assignments to at least 70% by their due dates and take the test by its due date).
        - **NOTE: Each test will be proctored by the MyMathLab proctoring system. Before you begin your test make sure you are working on a computer (NOT a mobile device, NOT a tablet, and NOT a chrome book) with a working webcam, microphone, and high-speed internet. Only have your sharpened pencils, _class-approved basic scientific calculator (NOT a graphing calculator),_ highlighters (if you want to use them), and one sheet of BLANK paper on your working area. You will also need a photo ID-- it can be your LIT school ID, a driver's license, or another type of photo ID. _Any student not showing ID or not following the instructor's instructions for the environment video will receive a grade of zero on the test._**
        - You will be allowed 120 minutes per test

- Once you start the test you must finish the test; you may not pause it and come back to it later
- Any formulas you need will be on the test
- **1 Other Test**
  - **1 of your tests will be the average of all of your participation quiz grades, your Course Introductions discussion board post, and your submitted completed Online Contract.**
  - Participation quizzes are located under the "Weekly Assignments and Participation Quizzes" section.
  - You will have a participation quiz due every week. Each participation quiz will open during the week that it is due so please do not panic if you do not see all of the participation quizzes open and available.
  - Once the due date passes, you will no longer be allowed to take the quiz and you will receive a grade of zero for the quiz.
  - The Course Introductions discussion board is located on Blackboard.
  - The Online Contract is located in MyMathLab.