

Lubbock Christian University

University Mission Statement

The mission of Lubbock Christian University is to teach students the spiritual dimension of life, provide quality education and impart a system of values for living and for service to family, community and church.

MAT 1311.02 College Algebra Fall 2013

Instructor: David Joyner. Office Phone: 720-7382, Home Phone: 853-8175; email: david.joyner@LCU.edu

Office Hours: Mon 11:40-12:50; Tues: 7:00-7:50, 11:40-12:50; Wed: 9:30-10:55; 11:40-12:50;4:00-5:00; Thur: 1:00-2:15; Fri 9:00 - 10:55.

Office Location: Science Building, Room 114

Class Location: CAA 120, M/W 1:00-2:15 pm

Course Description: Basic algebra, linear and quadratic equations, inequalities, functions, and systems of equations.

Prerequisites: None are listed in the catalog, High School Algebra I and II are assumed. If you don't have these, I would recommend that you take MAT 1305, Intermediate Algebra (and make at least a "B") before taking this course.

Objectives: : The student will understand algebraic expressions that require simplification, rationalization, combining terms with basic operations, and factoring. The student will be able to solve typical college level equations and inequalities. The student will be able to use functions and graphs. The student will be able to solve systems of equations.

Required Textbook: College Algebra, by John Coburn, 2nd Edition, Publisher: McGraw-Hill
ISBN13: 978-0077276492; ISBN10: 0077276493

Course Topics: The following topics will be addressed in this course. They are designated by number beside each topic: (1) Technological Proficiency, (2) Quality Education, (3) Service to Community and Church, (4) Spiritual Development.

<i>Topic</i>	<i>University Goal</i>
Potential applications of mathematics in your personal and professional future	1, 2, 3, 4
Basic algebraic skills	1, 2
Solving equations	1, 2
Problem solving with functions and graphs	1, 2
Problem solving with systems of equations	1, 2

Teaching Methods: The objectives of the course will be met primarily through lectures demonstrating the topics covered in the text. Homework will be assigned as each section of the text is covered. Many opportunities for questions and interaction with the instructor and other students will be provided. A class website with assignments and due dates, as well as other helpful material will be kept at www.rejoicealways.net . **A student should always check the website for questions about when assignments are due.**

Course Policies:

1. Few students in a College Algebra course can do well without everyday attendance. Examples and answers to questions are provided in abundance during each class meeting. If you miss a lecture, please find another student who was there and who will provide you with a copy of the examples worked on during that lecture. The LCU attendance policy as outlined in the current Catalog will be enforced. Any combination of excused and unexcused absences beyond 25% of the class meetings (8 class meetings for this course for this semester) will also result in a warning by email and being dropped from the course with a failing grade after the 8th absence. The numeric grade for being automatically dropped will be a grade of 50 (or less if your actual average is less than 50).

2. When you miss a class, whether due to illness or school activities, you are still responsible for mastering the material soon enough to be able to take the quiz given before the next quiz occurs. No pop quizzes are given. If you miss a scheduled quiz, you **MUST** contact me via email and make arrangements to make it up **before the next class meeting** after the quiz was given. If your absence was unexcused, I will deduct 15 points from your grade. If you fail to make these arrangements before you come back to the next class meeting, you will receive a zero for the quiz.

3. Honesty and integrity are vitally important! Every student is expected to maintain the highest standards in these areas. It is always acceptable to help another student learn how to do a task with advice and demonstrations. It is never acceptable to do work for another student, who will turn it in and receive credit for it! It is always cheating to turn in work that another student created. If anyone is caught cheating on a quiz or test, a grade of 0 will be entered for that quiz or test. The incident will be reported as outlined in the current Student Handbook.

4. Assignments and tests must be legible. If illegible work is turned in, it will be counted incorrect.

Assignments and Grading Scale:

1. Six to eight quizzes will be given throughout the semester over the homework problems assigned and lecture examples. The average of these quizzes will count as a major exam, along with the final exam. I will double the highest of these and average those three grades. So if your quiz grades are 70, 80, 100, 77, 72 and 70 the average of these grades would be a 78. If you make an 80 on the final exam, I would calculate your grade as follows: $(78 + 80 + 80) / 3 = 79$. This will count as 90% of your course grade.

2. Class participation, attendance and tardiness will count as 10% of your course grade. This gives me an opportunity to reward things like perfect attendance, hard work, class participation, dedication and a great attitude during the class.

3. The grading scale is: A = 90 - 100, B = 80-89, C = 70-79, D = 60-69, F = below 60. A decimal average will be rounded to the next higher integer (a 79.50 would be an 80 for a B, a 79.49 would be a 79 for a C). I know this doesn't seem always quite fair, but this comes from our traditional way of recording letter grades. There has to be a dividing point. I will under no circumstances ever "budge" a numeric grade up at one of these dividing points. Whatever you make is exactly what you will get.

Example: Quiz Average = 78, Final exam = 80. Attendance/Participation = 90.

Course grade = $0.9 * (78 + 80 + 80) / 3 + 0.1 * 90 = 80.4$ gives a "B" for the course.

ADA Policy: Students with disabilities that require special modifications must inform the instructor no later than the second class period. Appropriate arrangements, if required, will then be made.

Class Schedule: A Class Schedule and Homework List will be made available on the class website - (www.rejoicealways.net). Notice that this is NOT a MOODLE site. I do NOT use MOODLE. In our textbook we will cover chapters R,1-5, and portions of chapters 6 and 7. I always provide the exact homework and reading assignments for each class meeting on the class website. I also sometimes include additional resources for the material covered on a given day. If you miss a class, always consult the class website to make sure you are caught up on assignments and to know what to study for on an exam or quiz. **Always check the classwebsite for the official, up to date schedule!**

Class website: <http://www.rejoicealways.net/>