

MA103 College Algebra  
Fall 2017  
1:06-1:56 Monday-Friday  
Course Syllabus  
Central Methodist University

**Instructor:** Mrs. Leverton

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**(You are responsible for communication via email.)**

**Mission:** Central Methodist University prepares students to make a difference in the world by emphasizing academic and professional excellence, ethical leadership, and social responsibility.

**Prerequisite:** ACT Math Sub-score at least 20 (or MA101/MA102)

**REQUIRED Text:** College Algebra, Fourth Edition, Robert Blitzer, Pearson Prentice Hall, 2007,  
ISBN 0-13-219141-5

**Course description:** College Algebra is a study of equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and systems of equations and inequalities.

**Course objectives:** Upon successful completion of this course, students will be able to understand and solve problems involving:

- Radicals, integers and rational exponents (review)
- Linear and quadratic equations, inequalities, and absolute values
- Relations, functions, and graphs
- Polynomial and rational functions
- Sequences and series
- Matrices and determinants, if time

**Common Core Competencies:** This course meets the following competency in the CMU General Education Core Value: Foundations: Math Literacy; students will demonstrate mathematical reasoning by applying appropriate methods and procedures. 6&7

**Academic Conduct Policy:** Any student caught committing academic misconduct will earn a zero for that assignment, quiz or exam. Furthermore that student will come under the auspices of the Academic Conduct Policy of CMU. It is the student's responsibility to review and understand the CMU Academic Conduct Policy.

**Grievance Policy:** Central Methodist University has established a grievance policy and process designed to provide students and others with a process to resolve potential issues. This policy and process is established to provide persons with an avenue to file a written concern and to establish a process to track and implement changes as a result of said concern. For more detailed information consult the CLAS catalog at: <http://www.centralmethodist.edu/academics/catalog/clas-catalog/policies/index.php>.

If an issue cannot be solved through consultation with the faculty or division chair, students can report an incident/issue within 30 days of the event via the online web form (<https://cm.maxient.com/reportingform.php?CentralMethodistUniv>).

**Attendance:** Regular attendance is necessary for this class. Late arrival or early departure from class may be counted as an absence. In the event of an absence, you are responsible for all of the material covered in class that day and any schedule changes or class announcements.

**Course Outline:**

Prerequisite chapter	3 weeks
• Radicals, integer and rational exponents (review)	
Chapter 1	3 weeks
• Linear and Quadratic equations and inequalities	
Chapter 2	3 weeks
• Functions and the Graphs	
Chapter 3	2 weeks
• Polynomial and rational functions and graphs	
Chapter 4	2 weeks
• Exponential and Logarithmic functions and graphs	
Chapter 5	3 weeks
• Systems of equations	
Chapter 6	3 weeks
• Matrices	
Chapter 8	(as time allows)
• Sequence and series	
Final Exam	

**Grading Policies:** There will be a test following each chapter (approximately 4-5 for the semester). Quizzes will be given periodically throughout the semester as well (usually 1 per chapter). Homework will be given daily. Portions of the tests/quizzes may be redone for a higher score at the discretion of the instructor and only if all of the assignments were thoroughly completed and submitted on time.

Tests/Quizzes	90%
Homework	10%

**Penalty for late work:** NO LATE WORK IS ACCEPTED.

**Class policy for making up work:** Please let me know as soon as possible if you are going to miss class. Your assignments for the week are still due and need to be submitted on time. If you miss a quiz or test, it needs to be completed when you return and submitted that day.

**Note:** Central Methodist University does not discriminate on the basis of race, color, religion, sex, national origin, age, or federally defined disability/state defined handicap ("disability"). This includes but is not limited to recruitment and admission of students, educational programs, services, activities, financial aid, and scholarship programs. The University complies with all federal and state non-discrimination requirements.

**This syllabus is subject to change, without notice, at the discretion of the instructor.**

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**Please email me as soon as possible so that I have your email address. I will use email to update you on changes in the schedule and/or the assignments and it is useful for you to ask questions and get help outside of class.**