College Algebra
Math 1314-12P SYLLABUS FALL 2024

UTRGV Course Title and Name: **MATH College Algebra** **Term: Fall 2024** **Meeting time:** Fridays 1:30 – 4:00 PM **Classroom:** EMAGC 1.208	**Instructor Name: Marlio Paredes** **Telephone #: 956-6653557** **UTRGV email address: marlio.paredes@utrgv.edu** **Office location: EMAGC 2.200A** **Office hours:** Tuesday 11:00 AM – 12:30 PM Thursday 11:00 AM – 12:30 PM Friday 9:30 AM – 12:30 PM

Course Modality: Traditional Face-to-Face Courses

COURSE DESCRIPTION AND PREREQUISITES

Provides an overview of nonlinear and absolute values inequalities, functions, complex numbers, polynomial and rational functions, exponential and logarithmic functions, and systems of linear and nonlinear equations. Prerequisites: MATH 1334 with a grade of C or better or MATH 0314 with a grade of RP, TSI college-ready status in mathematics. Prerequisites will be strictly enforced. Students lacking prerequisites will be dropped from the course.

LEARNING OBJECTIVES/OUTCOMES FOR THE COURSE

Core Curriculum Student Learning Outcomes (Texas Coordinating Board Exemplary Learning Objectives)

1. To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables, and schematics, and draw inferences from them.
6. To recognize the limitations of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

COLLEGE ALGEBRA STUDENT LEARNING OUTCOMES

Upon completion of this course and receiving a passing grade, the student will:

A. Simplify mathematical expressions using algebraic methods.
B. Solve equations, inequalities, and systems of linear and nonlinear equations.
C. Differentiate between relations and functions and identify a function's domain and range.
D. Graph functions using transformation techniques on the basic functions.
E. Construct new functions using algebraic operations or compositions of functions.
F. Determine inverse of a one-to-one function, its domain, range, and graph in relation to those of the function.
G. Analyze and graph polynomial, rational, exponential, and logarithmic functions.
H. Apply mathematical strategies to solve real-world problems.

LEARNING OBJECTIVES FOR CORE CURRICULUM REQUIREMENTS

Critical Thinking (CT) is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion. This definition meets the THECB's direction that critical thinking includes creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information; and is aligned with the UTRGV's SLO for critical thinking skills.

Students will learn to approach symbolic and arithmetic problems from an abstract perspective using multiple representations of problems – geometric and algebraic. Furthermore, a significant portion of the course will focus students on the application of mathematical concepts to aid in critical analysis of a variety of problems from other subjects and areas.

Communication Skills (COM) include the development, expression, and revision of ideas through the effective use of language (writing, reading, speaking, and listening) across a variety of forums. Communication involves learning to work in many genres and styles while using different technologies, can result in mixing texts, data, and/or images, and develops through diverse experiences across the curriculum. This definition meets the THECB's direction that communication skills include effective written, oral, and visual communication; and is aligned with UTRGV's SLO for communication skills.
A strong focus of this course is to develop in students the ability to discuss mathematical ideas with fluency to both experts in mathematics and those with less experience. For many problems the process of the solution is as or more important than the solution itself, making communication a natural skill developed by the course.

Empirical and Quantitative Skills (EQS), which involve numeracy or quantitative reasoning, include competency in working with numerical data and mathematical reasoning. Individuals with strong mathematical skills possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They interpret data and results and can create conjectures and arguments supported by quantitative evidence and/or mathematical reasoning, which they can clearly communicate in a variety of formats (using words, tables, graphs, and/or equations as appropriate). This definition meets the THECB's direction that empirical and quantitative skills include applications of scientific and mathematical concepts and is aligned with UTRGV's SLO for empirical and quantitative skills.

The course strongly centers on the empirical and quantitative skills objective, which permeates almost every topic included in the course and course objectives. These will be assessed through specific questions on the tests used in the course. Manipulate and analyze observable facts and arrive at an informed conclusion

GRADING POLICIES

Component	Weight
Homework	**20%**
Quizzes 4	**5%**
Three Tests	**40%**
PLTL- ATTENDANCE	**10%**
Comprehensive Final Exam	**25%**
Total	**100%**

There will be exam reviews for all chapter exams and final exam. The students can get upto 5 extra points in the respective exams for the review. One of the lowest test score can be replaced with final exam score if it's higher. In order to pass the course, the average of all three exams and final should be at least 60.

Final grades assigned for this course will be based on the percentage of total points earned and are assigned as follows:
A = 90-100%; B = 80-89%; C = 70-79%; D= 60 to 69% and F = Below 60%

TEXTBOOK AND/OR RESOURCE MATERIAL

- ALEKS online homework system. The cost for the semester is $39+tax
- Textbook: College Algebra by Jay Abramson. Textbook is available free of cost and can be accessed at https://openstax.org/books/college-algebra/pages/1-introduction-to-prerequisites
- Calculators (Recommended): Graphing Calculator TI 83/84, and/or Scientific Calculator. No programmable computer-based calculators, such as NSpire, are allowed.
- You will need access to a computer/laptop, the internet, the Aleks system, a webcam, and a microphone. The exams are proctored online using Lockdown Respondus software (available for download in student resources, free of

charge). For each exam, students must be in a quiet room (preferably a library room), without any other person, and/or any source of distraction or information. Please take this note very seriously, as there is no exception. Details about the proctoring using the software will be communicated in the introductory video, as well as, during our live sessions and in the announcements.

In order to be **successful** in this course, students must be consistent with their works. Following are great tips to take into consideration:

1) Manage your time! Start the week early. Check the announcement on Blackboard course page and your email, check the weekly module for the week on Monday to see what activities, assignments, tests or quizzes are scheduled for the week.
2) Start by watching the lecture videos on Monday and Tuesday (watch them more than once, take notes), read from textbook and solve examples on Tuesday and Wednesday. Start the homework and activities on Thursday and be sure to complete them by Sunday.
3) Always be prepared for an unforeseen difficulty, such as loss of internet connection, electricity, etc. If you leave your work for the last day and face any of the challenges, nothing can be done, and you just add to your own stress.
4) Avoid the number one mistake and misconception of online courses: leaving everything for the weekend. Learning does not happen overnight, and it most certainly cannot be retained if it is not learned, reviewed, and practiced.
5) The rules about testing and proctoring are very strict. Be sure that you plan ahead of time for a quiet room (library room), webcam and microphone working, laptop/computer charged and connected to the internet with all the updates installed, and material reviewed and practiced.
6) And the most important part: you are NOT alone in this online course. Please email me and I will be happy to help you. Schedule appointments, we can meet you online. I understand that many online students are full time employees, parents, caregivers, or have other challenges. I am here to support you and guide you to succeed in the course. Do not forget that! Always reach out to me whenever you need help.

HOMEWORK

Homework will be assigned regularly through Knewton Alta, starting week 1 of the semester. It is the student's responsibility to purchase access to the homework software. Alta is Knewton's fully integrated, adaptive learning courseware. Everything you need to succeed in your course, including text-based and video instruction, interactive learning content, assignments, and review materials, are all included in Alta. For Fall 2023, we are using static HW built-in Knewton. So, students are strongly encouraged to practice questions in Knewton before attempting the actual HW questions. Students will have a maximum of three attempts for each HW and the highest grade of these three will be considered as HW grade. There will be no make-up work for any missed homework and late homework will not be accepted. The average of all homework counts as **20%** of the course grade.

QUIZZES

In addition to the required work in Knewton, there will be quizzes. Quizzes will be assigned through Knewton Alta. It is the student's responsibility to purchase access to the quiz software. There will be no make-up work for any missed quiz and late quizzes will not be accepted. The average of all quizzes counts as **5%** of the course grade. One of the lowest quiz grades will be dropped.

REVIEWS

Before each test, there will be a review. It's the student's responsibility to do the reviews. Extra 5 points will be added to your each exam score if you finish the reviews.

EXAMS

There will be three-chapter exams throughout the semester, for a total of **40%** of the course grade.

PLTL/SI

REQUIRED (PLTL/SI) STUDY SESSION

Attending a PLTL/SI study session from the Student Learning Center mandatory. PLTL sessions are designed to give you the opportunity to practice questions and problems in a small group environment with a student leader who has done well in the course in the recent past.

PLTL is **10%** of your grade

ATTENDANCE

Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences (please denote the specific number of unexcused absences which will trigger a "drop-by-instructor" in your class.) UTRGV's attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; have been provided such an accommodation by Student Accessibility Services (SAS); for observance of religious holy days; or for military service. Accommodations related to long term complications from COVID-19 should also go through SAS. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

For this course, attendance includes a student's active engagement with the course material, participation in group class activities, completing assignments on time, and attending classes regularly. Each weekly module contains lecture videos, activities, and links to the assignment/quiz in ALEKS and PLTL worksheets in ALEKS. The only excused absences are for religious holidays, documented jury duty, documented military duty, and university-sponsored activities. For students who miss class/activities/assignments due to extenuating circumstances, you will need to notify Student Rights and Responsibilities to request an absence notification.

FINAL EXAM

The final exam covers all the learning objectives and determines **25**% of the course grade. The final exam grade will replace the lowest test grade (if the final exam grade is higher than the lowest test grade) with the condition that the student must not have more than 3 absences throughout the semester.

BLACKBOARD SUPPORT

If you need assistance with course technology at any time, please contact the Center for Online Learning and Teaching Technology (COLTT).

Campus:	**Brownsville**	**Edinburg**
Location:	Casa Bella (BCASA) 613	Education Complex (EEDUC) 2.202
Phone:	956-882-6792	956-665-5327

Toll Free: 1-866-654-4555

Office Hours: Monday - Friday, 7:30 a.m. - 6:00 p.m.

Support Tickets Submit a Support Case via our Ask COLTT Portal

24/7 Blackboard Support

Need Blackboard assistance after hours? You can call our main office numbers, 956-882-6792 or 956-665-5327, to speak with a support representative.

ABSENCE/SICK POLICY:
If you need to miss class due to illness and other personal reasons, please contact me immediately for expectations, accommodations, and support resources in place to ensure your continued growth and success in the course.

ACADEMIC INTEGRITY:

Members of the UTRGV community uphold the Vaquero Honor Code's shared values of honesty, integrity and mutual respect in our interactions and relationships. In this regard, academic integrity is fundamental in our actions, as any act of dishonesty conflicts as much with academic achievement as with the values of honesty and integrity. Violations of academic integrity include, but are not limited to: cheating, plagiarism (including self-plagiarism), and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts (Board of Regents Rules and Regulations, STU 02-100, and UTRGV Academic Integrity Guidelines). **All violations of Academic Integrity will be reported to Student Rights and Responsibilities through Vaqueros Report It.**

STUDENTS WITH DISABILITIES:

Students with a documented disability (physical, psychological, learning, or other disability which affects academic performance) who would like to receive reasonable academic accommodations should contact **Student Accessibility Services (SAS)** for additional information. In order for accommodation requests to be considered for approval, the student must apply using the *mySAS* portal. and is responsible for providing sufficient documentation of the disability to SAS. Students are required to participate in an interactive discussion, or an intake appointment, with SAS staff. Accommodations may be requested at any time but are not retroactive, meaning they are valid once approved by SAS. Please contact SAS early in the semester/module for guidance. Students who experience a broken bone, severe injury, or undergo surgery may also be eligible for temporary accommodations.

Pregnancy, Pregnancy-related, and Parenting Accommodations

Title IX of the Education Amendments of 1972 prohibits sex discrimination, which includes discrimination based on pregnancy, marital status, or parental status. Students seeking accommodations related to pregnancy, pregnancy-related condition, or parenting (reasonably immediate postpartum period) should submit the request using the form found at https://www.utrgv.edu/pregnancyandparenting for review by **Student Accessibility Services.**

Student Accessibility Services:
Brownsville Campus: Student Accessibility Services is located in 1.107 in the Music and Learning Center building (BMSLC) and can be contacted by phone at (956) 882-7374 or via email at ability@utrgv.edu.

Edinburg Campus: Student Accessibility Services is located in 108 University Center (EUCTR) and can be contacted by phone at (956) 665-7005 or via email at ability@utrgv.edu.

MANDATORY COURSE EVALUATION PERIOD:
Students are encouraged to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades. Online evaluations will be available on or about:

SEXUAL MISCONDUCT and MANDATORY REPORTING:
In accordance with UT System regulations, your instructor is a "Responsible Employee" for reporting purposes under Title IX regulations and so must report to the Office of Institutional Equity & Diversity (OIED@utrgv.edu) any instance, occurring during a student's time in college, of sexual misconduct, which includes sexual assault, stalking, dating violence, domestic violence, and sexual harassment, about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect that is free from sexual misconduct,

discrimination, and all forms of violence. If students, faculty, or staff would like confidential assistance, or have questions, they can contact OVAVP (Office for Victim Advocacy & Violence Prevention) at (956) 665-8287, (956) 882-8282, or OVAVP@utrgv.edu.

COURSE DROPS:
According to UTRGV policy, students may drop any class without penalty earning a grade of DR (drop) until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the "3-peat rule" and the "6-drop" rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.

STUDENT SERVICES:
Students who demonstrate financial need have a variety of options when it comes to paying for college costs, such as scholarships, grants, loans and work-study. Students should visit the Student Services Center (U Central) for additional information. U Central is located in BMAIN 1.100 (Brownsville) or ESSBL 1.145 (Edinburg) or can be reached by email (ucentral@utrgv.edu) or telephone: (956) 882-4026. In addition to financial aid, U Central can assist students with registration and admissions.

Students seeking academic help in their studies can use university resources in addition to an instructor's office hours. University Resources include the Advising Center, Career Center, Counseling Center, Learning Center, and Writing Center. The centers provide services such as tutoring, writing help, counseling services, critical thinking, study skills, degree planning, and student employment. In addition, services such as the Food Pantry are also provided. Locations are listed below.

Center Name	Brownsville Campus	Edinburg Campus
Advising Center AcademicAdvising@utrgv.edu	BMAIN 1.400 (956) 665-7120	EITTB 1.000 (956) 665-7120
Career Center CareerCenter@utrgv.edu	BINAB 1.105 (956) 882-5627	ESTAC 2.101 (956) 665-2243
Counseling Center Counseling@utrgv.edu Mental Health Counseling and Related Services List	BSTUN 2.10 (956) 882-3897	EUCTR 109 (956) 665-2574
Food Pantry FoodPantry@utrgv.edu	BCAVL 101 & 102 (956) 882-7126	EUCTR 114 (956) 665-3663
Learning Center LearningCenter@utrgv.edu	BMSLC 2.118 (956) 882-8208	ELCTR 100 (956) 665-2585
Writing Center WC@utrgv.edu	BLIBR 3.206 (956) 882-7065	ESTAC 3.119 (956) 665-2538

CALENDAR OF ACTIVITIES

The UTRGV academic calendar can be found at https://my.utrgv.edu/home at the bottom of the screen, *prior to login*. Some important dates for Fall 2023 include:

Fall 2024 Term (August 26 – December 12)

Mar. 25 (Mon.)	Registration Begins at 9:00 a.m.
Aug. 21 (Wed.)	Payment Due Last day to join a waitlist
Aug. 23 (Fri.)	Last day to withdraw (drop all classes) and receive a 100% refund
Aug. 26 (Mon.)	Fall classes begin
Aug. 30 (Fri.)	Last day to withdraw (drop all classes) and receive an 80% refund
Sep. 2 (Mon.)	Last day to add or register for Fall classes Labor Day Holiday. No classes
Sep. 9 (Mon.)	Last day to withdraw (drop all classes) and receive a 70% refund
Sep. 11 (Wed.)	Census Day (*last day to drop without it appearing on the transcript*)
Sep. 16 (Mon.)	Last day to withdraw (drop all classes) and receive a 50% refund
Sep. 23 (Mon.)	Last day to withdraw (drop all classes) and receive a 25% refund
Nov. 7 (Thurs.)	Last day to drop *(DR grade)* a class or withdraw *(grade of W)*
Nov. 28-30 (Thurs.-Sat.)	Thanksgiving Holiday. No classes
Dec. 5 (Thurs.)	Study Day. No classes
Dec. 6-12 (Fri.-Thurs.)	Final Exams
Dec. 12 (Thurs.)	Fall classes end; Official last day of the term
Dec. 13-14 (Fri.-Sat.)	Commencement Exercises
Dec. 16 (Mon.)	Grades Due at 3 p.m.

MANDATORY COURSE EVALUATION PERIOD

Students have the opportunity to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu). Course evaluations are used by the instructor to better understand the student experience in the course, which can inform revisions of the course to ensure student success. Additionally, course evaluations are also used by the instructor for annual performance review and promotion applications, teaching award applications, among others. For these reasons, your feedback, reflections, and insights on your experience in the course are invaluable to ensure student success and a quality education for all. You will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades.

Online evaluations will be available on or about:

Fall Module 1 (7 weeks)	October 2 – 8, 2024
Fall 2024 Regular Term	November 13 – December 4, 2024
Fall Module 2 (7 weeks)	November 27 – December 3, 2024

DEAN OF STUDENTS RESOURCES:
The Dean of Students office assists students when they experience a challenge with an administrative process, or unexpected situation such as an illness, accident, or family situation, and aids in resolving complaints. Additionally, the office facilitates student academic-related requests for religious accommodations, supports students formerly in foster care, helps to advocate on behalf of students and inform them about their rights and responsibilities, and serves as a resource and support for faculty and campus departments.

Vaqueros Report It allows students, staff and faculty a way to report concern about the well-being of a student, seek assistance in resolving a complaint, or report allegations of behaviors contrary to community standards or campus policies.

The Dean of Students can be reached by emailing dos@utrgv.edu, by logging into Virtual Office hours in which a representative is available Monday-Friday 9:00-11:00 a.m. and 1:00-4:00 p.m, or by visiting one of the following office locations: Cavalry (BCAVL) 204 or University Center (EUCTR 323). Phone: 956-665-2260.

Weekly Lesson Plan	Sections and Descriptions
	Syllabus. Prerequisites: Provide videos for some of the topics. The suggested Topics: The Order of Operations; https://openstax.org/books/college-algebra-corequisite-support/pages/1-1-real-numbers-algebra-essentials Exponents. https://openstax.org/books/college-algebra-corequisite-support/pages/1-2-exponents-and-scientific-notation Radicals. https://openstax.org/books/college-algebra-corequisite-support/pages/1-3-radicals-and-rational-exponents **Factoring Polynomials; Special Product Formulas** https://openstax.org/books/college-algebra-corequisite-support/pages/1-5-factoring-polynomials **Rational Expressions**. https://openstax.org/books/college-algebra-corequisite-support/pages/1-6-rational-expressions Linear Equations: https://openstax.org/books/college-algebra-corequisite-support/pages/2-2-linear-equations-in-one-variable **Rational Equations**, Linear and Absolute Value Inequalities: https://openstax.org/books/college-algebra-corequisite-support/pages/2-7-linear-inequalities-and-absolute-value-inequalities Linear Equations in Two Variables point-slope: https://yoshiwarabooks.org/elem-alg/Point-Slope-Formula.html slope-intercept : https://yoshiwarabooks.org/elem-alg/Slope-Intercept-Form.html Equations of Circles, Find midpoint and distance between two points. https://yoshiwarabooks.org/mfg/appendix-Facts-from-Geometry.html
Aug 26th to 30 th 2024	Syllabus. & 3.1 Functions https://openstax.org/books/college-algebra/pages/3-1-functions-and-function-notation 3.2 Domain and Range https://openstax.org/books/college-algebra/pages/3-2-domain-and-range
Sep 2nd 2024	Labor day – no classes
Sep 2nd to 6th 2024	3.3 Rates of Change and behavior of graph (Which curve represents function, domain, range of function, intervals of increase and decrease, minimum and maximum values of function). https://openstax.org/books/college-algebra/pages/3-3-rates-of-change-and-behavior-of-graphs 3.4 --- Composition of Functions, (Operations with Functions, Composite functions etc.) https://openstax.org/books/college-algebra/pages/3-4-composition-of-functions Quiz 1

Sep 9th to 13th 2024	3.5 Transformation of functions (Families of Functions, Transformations, Symmetry of Functions https://openstax.org/books/college-algebra/pages/3-5-transformation-of-functions 3.6 Functions (linear function, absolute value function, piecewise Function, step function). https://openstax.org/books/college-algebra/pages/3-6-absolute-value-functions-
Sep 16th to 20nd 2024	3.7 Inverse Functions. https://openstax.org/books/college-algebra/pages/3-7-inverse-functions **Review1**
Sep 23th to 27th 2024	**Test 1** 5.1 Quadratic Functions and Inequalities, Quadratic Equations. Square Root Function. Cube Function. Graphing Basic Polynomial Functions: $y = x$, $y = x^2$, $y = x^3$, $y = x^4$, $y = x^5$. https://openstax.org/books/college-algebra/pages/5-1-quadratic-functions Quadratic inequalities (https://openstax.org/books/intermediate-algebra-2e/pages/9-8-solve-quadratic-inequalities)
Sep 30th to Oct 4th 2024	5.2 Power functions and Polynomial functions https://openstax.org/books/college-algebra/pages/5-2-power-functions-and-polynomial-functions 5.3 Graphs of Polynomial Functions. https://openstax.org/books/college-algebra/pages/5-3-graphs-of-polynomial-functions (Polynomial inequalities)--- **Optional** Quiz 2
Oct 7th to 11th 2024	5.4 Dividing Polynomials https://openstax.org/books/college-algebra/pages/5-4-dividing-polynomials 5.5 Zeros of Polynomial Functions (no complex zeros). https://openstax.org/books/college-algebra/pages/5-4-dividing-polynomials
Oct 14th to 18th 2024	5.6 Rational Function https://openstax.org/books/college-algebra/pages/5-6-rational-functions Rational inequalities ----Optional (https://openstax.org/books/intermediate-algebra-2e/pages/7-6-solve-rational-inequalities) **Review 2**
Oct 21rd to 25th 2024	**Test 2** 6.1, Exponential Functions (exponential equations, compound interest, difference between exponential and power functions) https://openstax.org/books/college-algebra/pages/6-1-exponential-functions
Oct 28th to Nov 1st 2024	6.2 Graphs of Exponential functions https://openstax.org/books/college-algebra/pages/6-2-graphs-of-exponential-functions 6.3 Logarithmic Functions https://openstax.org/books/college-algebra/pages/6-3-logarithmic-functions

Nov 4th to 8th 2024	6.4 Graphs of Logarithmic functions https://openstax.org/books/college-algebra/pages/6-4-graphs-of-logarithmic-functions Quiz 3 6.5 Logarithmic Properties https://openstax.org/books/college-algebra/pages/6-5-logarithmic-properties
Nov 11th to 15th 2024	6.6 Exponential and Logarithmic Equations https://openstax.org/books/college-algebra/pages/6-6-exponential-and-logarithmic-equations 6.7 Exponential and Logarithmic Models (equations with exponents and logarithms, modeling with exponential and logarithmic functions: exponential growth, radioactive decay etc.). https://openstax.org/books/college-algebra/pages/6-7-exponential-and-logarithmic-models
Nov 18th to 22nd 2024	7.1 Systems of Linear Equations: Two Variables (graphing lines, equations https://openstax.org/books/college-algebra/pages/7-1-systems-of-linear-equations-two-variables **Review 3** **Test 3**
Nov 25th to 27th 2024	7.2 Systems of Linear Equations: Three Variables (only for systems with unique solutions or no solutions). https://openstax.org/books/college-algebra/pages/7-2-systems-of-linear-equations-three-variables
Nov 28th to 29th	Thanksgiving Break
Dec 2nd to 4th 2024	7.3 Systems of Nonlinear Equations and Inequalities: Two Variables (graphing lines, equations, no inequalities) https://openstax.org/books/college-algebra/pages/7-3-systems-of-nonlinear-equations-and-inequalities-two-variables Quiz 4 **Review for Final Exam**
Dec 5th, 2024	Study Day / No Class
Dec 9th, 2023	**Departmental Common Final Exam**
Dec 16th, 2023	Grades Due