

College Algebra

Kewang Chen.

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Course Time: M.W. F, 1:10pm-2:00pm. **Course Room:** Lafayette L311.

Office Room: Room 102, Lord House. (16 Colchester Ave, Burlington)

Office Hours: Tuesday, 10:30am-11:30am; Thursday 10:30am to 11:30am;
or by appointment.

Textbook:

Required: *College Algebra 5th Edition* by Beecher, Penna and Bittinger. (Please note that you will want the Course Compass MyMathLab Supplement that comes packaged with the textbook. You may wish to only purchase the Course Compass MyMathLab Supplement which includes an e-book or electronic version of the textbook. The UVM Bookstore offers both options!)

Topics:

This course mainly talks about sets, relations, functions with particular attention to properties of algebraic, exponential, logarithmic functions, their graphs and applications in preparation for MATH 019. **Pre/co-requisites:** Two years of secondary school algebra; one year of secondary school geometry.

The main topics will include:

Chapter 1 Graphs, Functions and Models.	(6 lessons)
Chapter 2 Properties of Functions.	(6 lessons)
Chapter 3 Quadratic Functions and Equations; Inequalities.	(5 lessons)
Chapter 4 Polynomial Functions and Rational Functions.	(5 lessons)
Chapter 5 Exponential Functions and Logarithmic Functions.	(5 lessons)
Exams and Reviews.	(3 lessons)

Grading:

- **COURSE COMPASS ASSIGNMENTS (20%)**---Every student is **Required** to log on to the CourseCompass MyMathLab system and complete a companion homework assignment that follows the material covered in class. You will be given several attempts to answer each question, and you can utilize the book and all of the aids offered within Course Compass system to help solve the problems. **At the end of the semester, I will drop the lowest 4 Course Compass Assignments and average the remaining assignment grades. This average will count towards 20% of your final grade.** The **COURSE ID** for the section is **chen88577**, (For more information about Registration, see **Registration-Handout.pdf**)

- **CLASS QUIZZES (20%)**---**Every week, usually on Thursday,** we will have a 15 minute quiz at the end of class. The quiz will cover very basic problems from previous lectures and will be a chance to show me that you are keeping active with the course materials. **All quizzes are closed notebook, and each quiz will be weighted the same. After the last quiz has been taken, I will drop the lowest 2 quiz grades and average the remaining grades. This average will count towards 20% of your final grade.**
- **TESTS (30%)**---There will be **Two** midterm tests (**Oct 5,2018 & Nov 16, 2018**).
All tests are closed notebook. Each test will count towards 15% of your final grade.
- **FINAL EXAM (30%)**---There will be a cumulative final exam given at the end of the semester. The final exam is closed notebook. The final exam will count towards 30% of your final grade:
Final Exam is December 14, 2018 ,13:30pm to 16:15pm in our Regular Classroom.

A+	100	B+	87 – 89	C+	77 – 79	D+	67 – 69
A	94 – 99	B	83 – 86	C	73 – 76	D	63 – 66
A-	90 – 93	B-	80 – 82	C-	70 – 72	D-	60 – 62

Remarks:

- ☆ **Late Work & Absence :** **If you miss a Quiz for a non-sanctioned UVM event, you will receive a 0% on this quiz. Remember that I will drop your two lowest grades.** MyMathLab assignments submitted late will incur a penalty. The penalty for late MyMathLab assignments is stated on the specific assignment.
Make-up quizzes and tests will be given if an emergency or reasonable issues arises.
- ☆ To ensure appropriate attention, students with disabilities who are eligible for accommodations are expected to notify the course instructor at the beginning of the semester.
- ☆ UVM’s policy on academic honesty has been communicated to you by the Dean of Students Office.
- ☆ Religious Holidays: Students have the right to practice the religion of their choice. **Each semester students should submit in writing to their instructors by the end of the second full week of classes their documented religious holiday schedule for the semester.** Faculty must permit students who miss work for the purpose of religious observance to make up this work.
- ☆ The course work will involve some fairly intense computations and mathematical modeling, and it is required that students purchase or obtain an appropriate calculator. TI-83/84 Graphing calculator is highly recommended, but a basic scientific calculator capable of performing exponential, logarithmic and trigonometric operations is adequate. Any calculators capable of performing symbolic algebra or calculus computations are prohibited. Students will be allowed to use a calculator on all assignments, quizzes and tests, **but please be aware that the instructor may ask for all work to be shown in order to receive credit.**

Looking for free College Algebra help? We have a series of free College Algebra Video Lessons from UMKC - The University of Missouri-Kansas City. The topics are Algebra Review, Graphs, Functions and their Graphs, Equations and Inequalities, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Systems of Equations, Sequence, Series and Binomial Theorem. UNIT 0 - BASICS: Remembrance of Things Past. Lecture 1: NUMBERS Sets of Objects [4 min.] This College Algebra course provided great explanations. It also provided great exercise problems to help solidify the concepts that were explained. Kevin Keller - June 2020. The College Algebra program was very helpful! I never understood math until I completed this course. Thank you!!!! Katelyn Howington - June 2020. It was very helpful for College Algebra and if I take another math class, I will be signing up again!! Thank you for a great resource. Charlotte Schrock - April 2020. Polynomials were some of the first things ever studied in Algebra. They are simple, yet powerful in their ability to model real world situations. What is a Polynomial? Adding And Subtracting Polynomials. Multiplying Polynomials. Polynomials - Long Multiplication. Dividing Polynomials. COLLEGE ALGEBRA AND CALCULUS: AN APPLIED APPROACH, Second Edition provides a comprehensive resource College Algebra and Trigonometry: Building Concepts and Connections. 1,130 Pages • 2008 • 29.06 MB • 6,955 Downloads • New! . College Algebra and Trigonometry: Building Concepts and Connections Revathi Narasimhan Elementary Algebra Textbook Solutions Manual. 517 Pages • 2012 • 2.75 MB • 53,277 Downloads.

College Algebra starts with the formal definition of a function and properties of functions. Then it goes into detail about several interesting families of functions. Polynomial, rational, exponential and logarithmic functions are typically covered. Answered 2 years ago Author has 1.1K answers and 1.2M answer views. College Algebra starts with the formal definition of a function and properties of functions. Then it goes into detail about several interesting families of functions. This College Algebra course provided great explanations. It also provided great exercise problems to help solidify the concepts that were explained. Kevin Keller - June 2020. The College Algebra program was very helpful! I never understood math until I completed this course. Thank you!!!! Katelyn Howington - June 2020. It was very helpful for College Algebra and if I take another math class, I will be signing up again!! Thank you for a great resource. Charlotte Schrock - April 2020. Looking for free College Algebra help? We have a series of free College Algebra Video Lessons from UMKC - The University of Missouri-Kansas City. The topics are Algebra Review, Graphs, Functions and their Graphs, Equations and Inequalities, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Systems of Equations, Sequence, Series and Binomial Theorem. UNIT 0 - BASICS: Remembrance of Things Past. Lecture 1: NUMBERS Sets of Objects [4 min.] Your complete College Algebra help that gets you better marks! Learn with step-by-step video help, instant College Algebra practice and a personal study plan. I'm taking Algebra 3 in high school. Is your college algebra help the right course for me? Yes. You can find anything you need in this course.