

Math 1324
Mathematics for Business and Social Sciences
(3:3:1)

MATHEMATICS DEPARTMENT

Division of Arts & Science
SOUTH PLAINS COLLEGE

Fall 2018
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South Plains College

Mathematics 1324 – Mathematics for Business and Social Sciences

Section: 012

Room: Online

“Intelligence plus character – that is the goal of true education.” – Dr. Martin Luther King, Jr.

“Hard work is required, but must also produce value.” – Norman Chaffee

“True knowledge exists in knowing that you know nothing.” – Socrates

“There is no end to education. It is not that you read a book, pass an examination, and finish with education. The whole of life, from the moment you are born to the moment you die, is a process of learning.” – Jiddu Krishnamurti

“In the United States, we experience many freedoms. Two of these freedoms include the freedom to succeed and the freedom to fail. Which one will you choose?” – Alan Worley

Online Disclaimer

This is to notify you that materials you may be accessing in chat rooms, bulletin boards, or unofficial web pages are not officially sponsored by South Plains College. The United States Constitution’s right of free speech apply to all members of our community regardless of the medium used. We disclaim all liability for data, information, or opinions expressed in these forums.

Instructor: Sheyleah V. Harris-Plant, Ph.D. Office Hours: (on the Levelland Campus)

Room: Levelland Math Building 104

Email: sharris@southplainscollege.edu

Monday	Tuesday	Wednesday	Thursday	Friday
1400-1515	1400-1515	1400-1515	1400-1515	0900-1200
<i>Or by appointment</i>				

Note about Office Hours: Any student is more than welcome to visit during office hours, however, for the student’s visit to be most effective it is best to make an appointment. Students from other classes are often visiting during office hours and other college responsibilities often prevent office hours without notice.

Textbook: *Knewton Finite Mathematics with Business Calculus* (978-1-63545-027-9)

Supplies

Knewton Access Kit: This kit is available at either SPC Bookstore (Levelland campus or Reese Center) or online at www.knewton.com

There is no physical textbook for this course. All instruction is provided through Knewton. The access kit online sells for approximately \$44. The SPC bookstore price is approximately \$58.

When you log into Blackboard, our learning management system (LMS), you will see the link for Knewton assignments on the left menu. Please note, you must log in to Knewton through the LMS for your activity and grades to be recorded. Your homework, mastery quizzes, and exams will be completed and submitted using Knewton. The instructor encourages you to purchase your access code **immediately** and register for this class online. You will need to purchase access to Knewton before you’ll be able to view or work on assignments. **You have a 21-day free trial to set up your Knewton account** if you do not have your access code yet. The first Knewton assignments will be due on the Friday of the second week of class. You must have your account set up and in working order by that time in order to complete your first assignments by the deadline. Failure to do so will result in a grade of zero for each incomplete assignment or quiz.

* The submission of the syllabus receipt is required.

Graphing Calculator: TI-83, TI-83 Plus, TI-84 Plus, TI-84 Plus Silver Edition, or TI-84 CE Graphing Calculator

You MUST have one of these 5 models of graphing calculators for this class. The instructor will have a program you can install on your calculator. This program is compatible with the above-listed calculators only. If you own another brand or model of the calculator, you may not be able to perform many of the calculator tasks presented in this course. You use these other calculators at your own risk. The instructor will provide neither tutoring nor alternate assignments for you due to the use of an alternate calculator. The TI-83 Plus and the TI-84 Plus models look and work identically. Other models and brands are quite different. There are calculator techniques described in both the notes and the videos for this course. You may use and are many times required to use these techniques on exams. You may not use your calculator for other techniques. All other work must be shown in detail.

Course Description

Pre-requisite: Two units of high school algebra or MATH 0320. The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

This course is a requirement for business majors. A survey of algebra topics is included, as well as business topics. It may or may not count as a math requirement for other majors. Check with the program advisor or accepting institution to be certain.

Course Purpose

The purpose/rationale/goal of this course is to introduce students to the fundamental principles in business mathematics including functions, systems of equations, linear programming, and financial math and to prepare students to study Calculus for Business and Social Sciences.

Course Requirements

This course is an online course, which means that you will access course information and respond to the instructor and/or other students through the use of the Internet. The instructor will use Blackboard to deliver and manage this course. There is help available for you concerning Blackboard at the SPC Online Website. There is a link to this information on the home page of this course. Just click on the Technical Support link to access this information.

Warning

You will not be allowed to make up any online work or quiz assignments once the deadline has passed. If you choose not to complete your work, you will not be given a chance to do so at the end of the semester once you realize you may not have a passing grade. If you do not think you will be able to manage your time in a satisfactory way, please reconsider your decision to take this course online.

You will not be allowed a time extension on your exams. You are expected to plan ahead and turn your work in early if your situation dictates that you must be away from a computer during the days that an exam is available.

Things You Need in Order to Register in Knewton

- Student Access Code
- The course is linked in Blackboard
- South Plains College Zip Code: 79336
- Personal E-Mail Address - If you do not have a personal e-mail account, there are several free choices (your SPC e-mail account, Yahoo, Hotmail, Gmail, MSN, etc.) available on the internet. You should set up your personal e-mail account as soon as possible so that you can register and begin work in Knewton.

Logging into your Course

Under no circumstances are you allowed to give your User IDs and/or passwords to anyone. If someone other than you logs into this course, the instructor will withdraw you immediately from the course with an "F"- regardless of the reason. If you are taking this course along with a roommate, brother or sister, spouse, or significant other, you must inform the instructor of this immediately. Failure to disclose this information could result in your being withdrawn from the course with an "F."

Student Learning Outcomes/Competencies

Successful completion of this course should reflect mastery of the following objectives. The course objectives the student will be able to meet are:

1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems.
2. Solve mathematics of financial problems, including the computation of interest, annuities, and amortization of loans.
3. Apply basic matrix operations, including linear programming methods, to solve application problems.
4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.
5. Apply matrix skills and probability analyses to model applications to solve real-world problems.

Core Objectives

Communication Skills

Effective development, interpretation, and expression of ideas through written, oral, and visual communication.

- Develop, interpret, and express ideas through written communication
- Develop, interpret, and express ideas through oral communication
- Develop, interpret, and express ideas through visual communication

Critical Thinking

Creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information.

- Generate and communicate ideas by combining, changing, and reapplying existing information
- Gather and assess information relevant to a question
- Analyze, evaluate, and synthesize information

Empirical and Quantitative Competency Skills

The manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

- Manipulate and analyze numerical data and arrive at an informed conclusion
- Manipulate and analyze observable facts and arrive at an informed conclusion

Disclaimer

The instructor reserves the right to alter any class policies as deemed necessary by the instructor or South Plains College and will announce any changes in class. If a student has any questions about a change in policy, ask the instructor for clarification.

To successfully complete the course objectives, the students must already be prepared to factor algebraic expressions, reduce, add, subtract, multiply, divide, and simplify rational expressions, and simplify, add, subtract, multiply and divide exponential and radical expressions.

In order to participate in this online course, you need these skills:

- typing skills,
- know basic functionality of a computer,
- know how to connect to the internet,
- know how to and be willing to compose, reply to, and forward e-mail messages,
- know how to attach and open documents in an e-mail message,
- know how to print .pdf (Adobe Acrobat) documents,
- have algebra skills consistent with the successful completion of high school Algebra I and Algebra II.

Students that fail to do well in this course often times do not have the adequate knowledge of algebra necessary for success.

Printer Access

For some assignments in this course, you may be asked to print the assignment and either scan and email it to the instructor for grading. Therefore, you must have access to a printer which produces good, clearly - readable documents. Printer malfunction is not a valid excuse for late submission.

Computer Issues

If your personal computer becomes "disabled," there are open computer labs on the Levelland and Reese campuses which you may use to access this course. Please remember that it is your responsibility to have a backup plan in case your computer goes down. Please have this plan in place now and do not wait until it is a crisis. All the assignments for this class will have a window of time in which the assignment must be completed. If you wait until the last day to try and complete your assignment and you encounter computer issues, the deadline for completion will NOT be extended. You must plan in order to complete your work under all possible conditions. The instructor cannot be constantly extending deadlines due to poor time management on the part of a student.

If you cannot log into Blackboard for some reason, notify the instructor immediately and the instructor will try to log in from the instructor's computer. If the instructor can log in, the instructor will contact you to let you know that the problem is on your end instead of the server. For the record, the Blackboard server is rarely down.

Attendance Policy

Because this is an online class, you must access the course on a regular basis. Accessing this course on a regular basis is extremely important to master the objectives of the class. You will feel more at ease with the material if you stay in touch with what is going on. If you fail to log into the course on a regular basis, the instructor will drop you from the course. The instructor will alert you to this problem as necessary. The software for both Blackboard and Knewton tracks when and where you have been in the course.

The minimum attendance requirement to be successful in this course is at least three (3) days per week. This is a ***minimum!*** Most students find that doing some math every single day is the best way to maintain continuity and to stay caught up. Although the instructor is readily available only on weekdays, weekend days count for attendance as well. Most online students need and use weekends to stay caught up. You will not be able to complete this course by logging on simply on the weekends. If your schedule does not allow you to work on the course during the week, you will be dropped for failing to maintain the minimum attendance requirement. Some course resources will be posted for a limited period of time (3-4 days). If you fail to log in and gain access to those resources when available, you will not have access to them later.

For the instructor to maintain a specific attendance record, you are required to send the instructor a message through Blackboard each week. **Please message the instructor on Monday of each week. The instructor will expect to have received your "check-in" by 11:59 pm on Tuesday of each week at the latest.** You must send the instructor the following information in your message:

1. What topics did you work on since you last checked in?
2. Which of those topics is giving you the most trouble and why?

The instructor will send you a reply to your message. Please check your messages frequently in case the instructor needs more information from you regarding your attendance check-in. If the instructor has not received your attendance check-in by 11:59 pm on Tuesday of each week, you will not get credit for attendance for that week. Students that fail to do an attendance check-in for two consecutive weeks may be administratively withdrawn from the course.

When sending your attendance check-in message, please put the following in the subject line: **Attendance Check-in, 2/22/2022**. Change the date accordingly.

Withdrawal

If you are administratively withdrawn from this class, the grade for the course will be either an "X", or an "F". Administrative withdrawal may occur if you have not logged into the course for five (5) consecutive days, if you consistently fail to meet homework and quiz deadlines, if you fail to complete your attendance check-in for two consecutive weeks or if you fail to turn in an exam. Keep in mind the instructor can only administratively withdraw you from this class until the Last Day to Drop. If you wish to withdraw from this class for any reason, you must initiate the appropriate steps on your own. To withdraw from this class, you need to email the registrar, Andrew Ruiz, and tell him you need to drop an online class. His email address is aruiz@southplainscollege.edu. Give him the course and section number and he will take care of it. You may also drop the class on campus. If that is your choice, you will need to go to the Admissions and Records Office either on the Levelland campus or the Reese Center campus, and fill out a drop notification form, and pay \$5. The drop form can be obtained online in MySPC, under the Student Forms and Tools link. The last day to drop is **Thursday, 15 November 2018**.

Messaging/Announcements

We will be using Blackboard as our primary means of communication except for turning in quiz and exam work. Any questions or comments you have should be sent to the instructor through Blackboard messaging. Please check your messages daily for any communication from the instructor. The instructor will also post general announcements in Blackboard. If the instructor requests a reply from you (even just to check in with the instructor), please reply promptly. Blackboard is our primary means of regular communication. **We will only be using email for submission of quiz and exam work.** If you need to contact the instructor, please use Blackboard.

Final Grading Policy

All grades are rounded from the first decimal place. Upon the submission of grades at the end of the semester, **ALL GRADES ARE FINAL!**

Grading Scale

90 points or above	A
80 points to 89 points	B
70 points to 79 points	C
60 points to 69 points	D
59 points and Below	F

Assignment Weights

Practice Assessment		32 points
<i>Homework</i>	0.4 points each	17 points
<i>Quizzes</i>	1 point each	15 points
Aptitude Assessment		68 points
<i>Exams</i>	12 points each	48 points
<i>Final Exam</i>		20 points
Total Points		100 points

You may access your grades in Blackboard by clicking the Gradebook link.

Response Times

The instructor will do their best to respond to your messages within 24 hours for questions the instructor receives on Monday through Friday by noon. The instructor will try to check messages at least once over the weekend (for your convenience), but sometimes that is not possible. The instructor work days are Monday through Friday. Please do not wait until the last minute to do homework, quizzes, or to ask questions before an exam. You must plan on allowing a reasonable amount of time for the instructor to respond to your questions. If you wait until the last minute, your questions may not be answered by the quiz or exam deadline.

Diversity Statement

In this class, the teacher will establish and support an environment that values and nurtures individual and group difference and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is but also model society as it should and can be. (copied from current South Plains College Faculty Handbook)

Disabilities Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers the Lubbock Center) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529. (copied from current South Plains College Faculty Handbook)

Academic Honesty, Equal Opportunity

You are expected to uphold the ideas of academic honesty. All work that is graded must be your own. This policy applies to all work attempted in this course. If this policy is violated the student will receive an **F** for the assignment and will be dropped with an **F**. For more details on what is considered cheating, see the South Plains College catalog.

South Plains College strives to accommodate the individual needs of all students to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability, or age.

Sexual Misconduct

As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with other non-course-related concerns, I will do my best to help.

It is important for you to know that all faculty members are mandated reporters of any incidents of sexual misconduct. That means that I cannot keep information about sexual misconduct confidential if you share that information with me. Mr. Christopher Straface, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Mr. Straface at 716-2362 or cstraface@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

Campus Concealed Carry

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at (http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php)

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

Resources

- **The instructor.** Please do not be afraid to ask for help. Please send a message if you need help. We can arrange to meet if necessary.
- **Knewton** has several videos and examples to help you.
- **Free** tutoring at Levelland is available in room 116 of the Mathematics-Engineering Building, at the Reese Center campus in room RC 212 in Building 2, and at the Lubbock Center Computer Lab in

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Lubbock (3907 Avenue Q). Please remember to sign in when you seek the help of a tutor in each of these places.

- An exam review will be available in the Exam Review link in Blackboard.
- The South Plains College Department of Mathematics and Engineering has put one copy of a textbook for this course on reserve in the **Levelland and Reese Campus** Libraries.

Homework

Homework assignments are in the Knewton Assignment link on Blackboard. All homework assignments are available on the first day of class. **Homework assignments will be due with the Unit Exam.** These problems can be worked as many times as necessary to achieve the grade you want and are chosen as representative of the basic concepts presented in the sections.

Knewton is a mastery learning system, so all homework assignments are available on the first day of class. You can work ahead at your pace. The instructor would highly recommend doing so, as the course material becomes more challenging and will require more time. The beauty of Knewton is personalizing learning. This means if you show mastery of an objective that assignment will be shorter, and you can move on. However, if you guess the system assumes you do not understand the material and will give you information to fill in the perceived holes in your knowledge and make the assignment longer. Knewton has links for **More Instruction**, use them and save a little time in the long run. If you feel you typed in an answer that is correct, but Knewton counted it wrong, please make a note of which problem it is and ask the instructor to look at it. The instructor has found in the past that many students feel that they entered a correct answer when that is not the case. If Knewton instructs you to enter your answers in a specific format, you are expected to do so.

Quizzes

The quizzes will be like the homework. The problems are randomly chosen from a pool of questions, so it is likely that no two students will take the same quiz. The quizzes will cover the material from the associated homework assignment. The quizzes are in the Knewton Quiz link on Blackboard. Quizzes may be submitted once. It is not necessary to report your quiz scores to the instructor. Knewton automatically saves your scores in a gradebook for the instructor. After each session, click the Submit button to ensure that your score is saved correctly. All quizzes are available on the first day of class. There is no time limit for quizzes. You **may not** begin the quiz, stop for a while, and begin again. You are required to show all of your work for all quizzes. You can opt to take pictures of your work email me the work by the quiz due date or scan the work and email me the file by the quiz due date. **The deadline for all quiz assignments is Friday at 9:00 am.** Blackboard has which quizzes are due on which Friday. The quizzes are designed to keep you on task, if you have not completed the work for the quiz by the due date, you are behind and need to catch up. If you feel you typed in an answer that is correct, but Knewton counted it wrong, please make a note of which problem it is and ask the instructor to look at it. The instructor has found in the past that many students feel that they entered a correct answer when that is not the case. If Knewton instructs you to enter your answers in a specific format, you are expected to do so.

Other

There may be other activities posted at various times during the semester to check your class participation. The instructor may occasionally email you and simply ask for a response within a certain time frame. The instructor will notify you by posting an announcement in Blackboard when these types of activities require a response from you. Students not signing in to the course on a regular basis may miss a chance to complete the assignment during the time allotted. Any missing assignments will be assigned a grade of zero.

Exams

Exams are used to assess the amount of the course objectives that the student has mastered. Tentative exam dates are noted in the class calendar. The exams will appear in the Knewton Exam link the Friday at midnight before its due date. Exams will be due on Thursdays at 11:59 pm.

No make-up exams will be allowed for any reason. If you realize that you have a conflict on an exam deadline, arrange your schedule so that you are ready and can take your exam early. There is no retake of an exam due to poor results on the first attempt. Exams can always be scheduled to be taken earlier than the due date, but you will NOT be able to complete an exam after the due date has passed.

All exams are required. Even if you believe you can successfully complete the course with a grade of zero on one exam, this is not acceptable. Every exam must be completed and submitted. If you fail to submit an

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exam, you may be withdrawn from the course with an "X" regardless of your average at that time. All exams MUST be completed in pencil with work shown. Pen is not acceptable and will not be graded.

All exams are completed without a proctor; you are expected to work alone. Please do not ask anyone for help with any question on these exams. The instructor will not help you with any course content once the exam is released for you to begin. For this reason, if you need to ask the instructor questions, you must do so before the first day the exam is available to you. You may use your notes, for assistance on your exams. If you choose to cheat, you will be withdrawn immediately from this class with a grade of "F." Whether you copy someone else's work, or you allow someone else to copy your work is immaterial. Cheating of any type is not tolerated and you will be subject to disciplinary measures.

All exams are unproctored and will be completed on Knewton. All exams have a 4.5 hour time limit. Make sure to work the questions out with ALL WORK SHOWN neatly on paper and scanned or photographed and emailed to the instructor. The exam will be available on the Friday at midnight before its due date. Make a good, readable photocopy of your completed work. Because pencil is required (for neatness), you may need to photocopy your exam before scanning to ensure a readable copy. Be sure to email your exam to yourself before submitting it to the instructor so that you can check whether it is legible.

The exam, deadline for completion and emailing is firm and non-negotiable. ***Your work must be in the instructor's "Inbox" by 11:59 pm on the day it is due.*** If it arrives at 12:00 am, it is considered late. Any work not received by 11:59 pm on Thursday will receive a grade of "0" on the exam. If you feel you typed in an answer that is correct, but Knewton counted it wrong, please make a note of which problem it is and ask the instructor to look at it. The instructor has found in the past that many students feel that they entered a correct answer when that is not the case. If Knewton instructs you to enter your answers in a specific format, you are expected to do so.

Final Exam*

There will be a comprehensive final exam at the end of the semester. Failure to attempt the final exam will result in a failing grade for the course. A student's library records and all financial records must be clear before the student will be allowed to take final examinations in any course.

The Final Exam will be taken on Knewton. The exam will be located on the Knewton Exam link on Blackboard. The exam is timed. You will have five hours to complete the exam. The exam must be taken in one sitting. Plan ahead. Make sure you have five uninterrupted hours to complete the exam. You may not need all five hours, but you will want to schedule the full amount of time just in case you do need it. The exam is not printable. You must remain connected to the internet and logged into Blackboard for the duration of the exam. It is absolutely critical that you use a reliable computer with a trustworthy internet connection to take the exam. All other applications should be closed as you complete the exam. If your computer tries to access email or if someone tries to chat with you at the same time you are taking an exam, a "glitch" may occur and you may lose your access to the exam entirely. If your computer tends to have connection problems or if your internet connection is not reliable, **DO NOT USE IT TO TAKE THE EXAM!** Make plans to use a computer in one of the SPC labs mentioned in the Computer Issues section of this syllabus if you do not trust either your computer or your internet connection.

When testing online, it is your responsibility to look over your exam after submitting it. If you feel you typed in an answer that is correct, but Knewton counted it wrong, please make a note of which problem it is and ask the instructor to take a look at it. The instructor has found in the past that many students feel that they entered a correct answer when that is not the case. If Knewton instructs you to enter your answers in a specific format, you are expected to do so.

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Due Date	Assignments Due
Friday, 31 August 09:00 am	<input type="checkbox"/> Syllabus Receipt <input type="checkbox"/> Syllabus Search
Friday, 7 September 09:00 am	<input type="checkbox"/> Quiz 1: <ul style="list-style-type: none"> • Linear Equations • Linear Inequalities • Cartesian Coordinate System • Identify Slopes and Intercepts • Finding Linear Equations • Graphing Linear Equations
Friday, 14 September 09:00 am	<input type="checkbox"/> Quiz 2: <ul style="list-style-type: none"> • Functions and Function Notation • Linear Functions • Applications of Linear Functions • Relations and Functions • Transformations of Functions
Thursday, 20 September 11:59 pm	<input type="checkbox"/> Linear Equations Homework <input type="checkbox"/> Linear Inequalities Homework <input type="checkbox"/> Cartesian Coordinate System Homework <input type="checkbox"/> Identify Slopes and Intercepts Homework <input type="checkbox"/> Finding Linear Equations Homework <input type="checkbox"/> Graphing Linear Equations Homework <input type="checkbox"/> Functions and Function Notation Homework <input type="checkbox"/> Linear Functions Homework <input type="checkbox"/> Applications of Linear Functions Homework <input type="checkbox"/> Relations and Functions Homework <input type="checkbox"/> Transformations of Functions Homework <input type="checkbox"/> Exam 1
Friday, 21 September 09:00 am	<input type="checkbox"/> Quiz 3: <ul style="list-style-type: none"> • Linear Systems in Two Variables • Linear System in Three Variables • Applications of Linear Systems
Friday, 28 September 09:00 am	<input type="checkbox"/> Quiz 4: <ul style="list-style-type: none"> • Solving Systems with Gaussian Elimination • Addition and Subtraction of Matrices • Multiplication of Matrices
Friday, 5 October 09:00 am	<input type="checkbox"/> Quiz 5: <ul style="list-style-type: none"> • Determinants of Matrices • Inverse and Identity Matrices • Solving Systems with Inverses • Input-Output Matrices
Thursday, 11 October 11:59 pm	<input type="checkbox"/> Linear Systems in Two Variables Homework <input type="checkbox"/> Linear System in Three Variables Homework <input type="checkbox"/> Applications of Linear Systems Homework <input type="checkbox"/> Solving Systems with Gaussian Elimination Homework <input type="checkbox"/> Addition and Subtraction of Matrices Homework <input type="checkbox"/> Multiplication of Matrices Homework <input type="checkbox"/> Determinants of Matrices Homework <input type="checkbox"/> Inverse and Identity Matrices Homework <input type="checkbox"/> Solving Systems with Inverses Homework <input type="checkbox"/> Input-Output Matrices Homework <input type="checkbox"/> Exam 2
Friday, 12 October 09:00 am	<input type="checkbox"/> Quiz 6: <ul style="list-style-type: none"> • Graphs of Linear Inequalities • Solving Linear Programming Problems Graphically • Applications of Linear Programming

Friday, 19 October 09:00 am	<input type="checkbox"/> Quiz 7: <ul style="list-style-type: none"> Finding Solutions using Initial Simplex Tableaus Solving Maximization Problems with the Simplex Method
Friday, 26 October 09:00 am	<input type="checkbox"/> Quiz 8: <ul style="list-style-type: none"> Transposing a Matrix and Finding the Dual of a Linear Programming Problem Solving Minimization Problems with Duality Solving Nonstandard Problems
Thursday, 1 November 11:59 pm	<input type="checkbox"/> Graphs of Linear Inequalities Homework <input type="checkbox"/> Solving Linear Programming Problems Graphically Homework <input type="checkbox"/> Applications of Linear Programming Homework <input type="checkbox"/> Finding Solutions using Initial Simplex Tableaus Homework <input type="checkbox"/> Solving Maximization Problems with the Simplex Method Homework <input type="checkbox"/> Transposing a Matrix and Finding the Dual of a Linear Programming Problem Homework <input type="checkbox"/> Solving Minimization Problems with Duality Homework <input type="checkbox"/> Solving Nonstandard Problems Homework <input type="checkbox"/> Exam 3
Friday, 2 November 09:00 am	<input type="checkbox"/> Quiz 9: <ul style="list-style-type: none"> Identify and Evaluate Exponential Functions Graphing Exponential Functions Relate Logarithms and Exponents Evaluate Logarithmic Expressions Basic Properties of Logarithms Solve Logarithmic Equations Applications of Exponential and Logarithmic Functions
Friday, 9 November 09:00 am	<input type="checkbox"/> Quiz 10: <ul style="list-style-type: none"> Simple Interest Compound Interest Annuities
Thursday, 15 November 3:00 pm	<i>Last Day to Drop (or be dropped)</i>
Friday, 16 November 09:00 am	<input type="checkbox"/> Quiz 11: <ul style="list-style-type: none"> Stocks Mortgages and Loans Credit Cards
Thursday, 22 November 11:59 pm	<input type="checkbox"/> Identify and Evaluate Exponential Functions Homework <input type="checkbox"/> Graphing Exponential Functions Homework <input type="checkbox"/> Relate Logarithms and Exponents Homework <input type="checkbox"/> Evaluate Logarithmic Expressions Homework <input type="checkbox"/> Basic Properties of Logarithms Homework <input type="checkbox"/> Solve Logarithmic Equations Homework <input type="checkbox"/> Applications of Exponential and Logarithmic Functions Homework <input type="checkbox"/> Simple Interest Homework <input type="checkbox"/> Compound Interest Homework <input type="checkbox"/> Annuities Homework <input type="checkbox"/> Stocks Homework <input type="checkbox"/> Mortgages and Loans Homework <input type="checkbox"/> Credit Cards Homework <input type="checkbox"/> Exam 4
Friday, 23 November 09:00 am	<input type="checkbox"/> Quiz 12: <ul style="list-style-type: none"> Odds and Expected Value Random Variables, Probability Distributions, and Expected Value Factoring Quadratics Other Factoring Techniques Operations on Rational Expressions Properties of Exponents Advanced Properties of Exponents

<p>Friday, 30 November 09:00 am</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Quiz 13: <ul style="list-style-type: none"> • Simplify Radicals • Operations with Radicals • Quadratic Equations • Characteristics of Parabolas • Graphs of Quadratic Functions • Applications of Quadratic Functions
<p>Friday, 7 December 09:00 am</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Quiz14: <ul style="list-style-type: none"> • Rational Equations • Polynomial Functions • Asymptotic Behavior of Rational Functions • Graphs and Applications of Rational Functions
<p>Tuesday, 11 December 11:59 pm</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Odds and Expected Value Homework <input type="checkbox"/> Random Variables, Probability Distributions, and Expected Value Homework <input type="checkbox"/> Factoring Quadratics Homework <input type="checkbox"/> Other Factoring Techniques Homework <input type="checkbox"/> Operations on Rational Expressions Homework <input type="checkbox"/> Properties of Exponents Homework <input type="checkbox"/> Advanced Properties of Exponents Homework <input type="checkbox"/> Simplify Radicals Homework <input type="checkbox"/> Operations with Radicals Homework <input type="checkbox"/> Quadratic Equations Homework <input type="checkbox"/> Characteristics of Parabolas <input type="checkbox"/> Graphs of Quadratic Functions Homework <input type="checkbox"/> Applications of Quadratic Functions Homework <input type="checkbox"/> Rational Equations Homework <input type="checkbox"/> Polynomial Functions Homework <input type="checkbox"/> Asymptotic Behavior of Rational Functions Homework <input type="checkbox"/> Graphs and Applications of Rational Functions Homework <input type="checkbox"/> Final Exam (Comprehensive)