

MATH 1324
Fall 2026 Syllabus
August 19, 2026 – December 10, 2026
Department of Mathematics and Statistics

This syllabus is subject to change during the semester.

Class section: 01

Class location and time: Lee Drain Building 216, 8:00-8:50 AM, Monday, Wednesday, Friday

Instructor Name: George Roman

Instructor Office: Lee Drain Building 413

Instructor Email: gvr008@shsu.edu

Instructor Office Hours:

- Monday, 2:00-3:50 PM
- Wednesday, 3:00-3:50 PM
- Friday, 10:00-10:50 AM

All office hours will take place in my office. You can email me to schedule an appointment outside of these times or over Zoom.

IMPORTANT: If you are not following lecture then it is likely that you have not mastered the pre-requisite material (including prior material covered in class.) The best solution is for you to come to office hours and alert your instructor so that a solution may be found.

Course Information MATH 1324. Math for Management Decision Making. 3 Hours. [TCCN: MATH 1324]. Students engage in a review of introductory algebra, equations, relations, functions, graphs, linear programming, systems of equations and matrices, and mathematics of finance. Prerequisite: Passing score on the MATH TSI Assessment or equivalent.

General Student Learning Objectives (Please work towards improving the following)

Upon successful completion of this course, students will be able to:

Apply algebraic concepts involving real numbers, exponents, polynomials, rational expressions, and equations to solve business and applied problems.

Solve linear and quadratic equations and inequalities and interpret their solutions in applied contexts such as cost, revenue, and profit analysis.

Use functions and their graphs—including linear, quadratic, polynomial, rational, exponential, and logarithmic functions—to model and solve real-world problems.

Perform and interpret financial mathematics calculations, including simple and compound interest, present and future value, annuities, loans, and sinking funds.

Analyze systems of linear equations and matrices, including solving systems using substitution, elimination, and matrix methods, and applying input-output models.

Use graphing and linear programming techniques to represent and solve optimization problems involving constraints.

Apply statistical and graphical tools such as coordinate systems, slopes, intercepts, and breakeven analysis to business and economic situations.

Use appropriate technology (e.g., calculators or software) to perform computations and analyze applied mathematical models.

Important Note: Internet is Required.

This course uses SHSU email and Blackboard in addition to MyLab Math (MML), so please check them regularly. SHSU computer labs are available for student use on campus:

<https://intranet.shsu.edu/dept/it@sam/services/lab-classroom-services/computerlabs.html>

Required Materials

Writing material: Pens, notebook paper & binder.

Calculator: A TI-30 scientific calculator is required for all classes. Please choose the version of the TI-30 which has both the log and ln function keys. Do not enter or upload additional information in calculators. Other calculators may *not* be used.

Textbook: *Finite Mathematics with Applications in the Management, Natural and Social Sciences*, 13th edition, by Lial, Hungerford, Holcomb & Mullins. An electronic (multimedia) copy of the text is integrated into My Lab Math. You will need to buy a My Lab Math access code if you did not get a book through the BearKat bundle. You can buy the code from the

SHSU bookstore or you can buy it via credit card online when you register via Pearson My Lab, noting that you can use their the two-week grace period if your finances are not immediately available. **You must enable pop-ups in your browser to get Pearson to work.**

My Lab Math (Pearson): Graded homework is found on My Lab Math. Please access My Lab Math via Blackboard (The email account used to register for My Lab Math must be your SHSU email and the name you used on MyLab should be your SHSU name.)

Note: If you are in a high support course (with an N024 corequisite) and elect to drop MATH 1324 then please work with your instructor to maintain access to Pearson MyLab Math. A university official will need to have the bookstore continue your access and you will need to access MyLab directly through the Pearson MyLab and Mastering Website:

<https://www.pearson.com/en-us/higher-education/products-services/mylab-and-mastering-login.html>

Grading

Grade Categories:

I. Quizzes (12% total; lowest score dropped at the end of the course so no make-ups)
Quizzes, There are three in-class (15-minute) quizzes: (1) Properties of the Real numbers, order of operation, factoring quadratic expressions (2) Lines and their graphs & (3) Exponential and logarithm functions; solving exponential and logarithm equations.

II. Other (5% total) Instructor discretionary points. My suggestion is as follows:
3% participation or pop-quizzes (work along using fill-in notes; checked at-random)
2% In-class discussion or group project; 5-2 Part A Fill-in Notes; Drop lowest score

III. Homework (15% total; lowest two Part A and lowest two Part B scores dropped right away in Blackboard so no extensions)

Make sure pop-ups are enabled in your browser else the My Lab Math course will not work correctly. (If you don't know how to do this then open the internet and search "enable pop-ups in" & your browser type)

Prep Homework (Part A): 3%

Regular Homework (Part B): 12%

My Lab Math (Pearson): Graded homework must be completed via My Lab Math. Almost all text sections have two homework assignments in My Lab Math homework. The first is denoted

by section number followed by “A” and it is a preparatory “prep” assignment. The second is denoted by section number denoted by “B” and it is true homework.

NOTE: The cumulative grade in Pearson My Lab Math does not directly correspond to your course homework grade. You can reasonably expect My Lab Math grades to be updated in Blackboard around the time when scores are posted for each test.

Even though each homework has a weekly due date in My Lab Math, you can still work on homework until *around* when its relevant exam is given; however, starting with chapter 2, homework submitted after its initial due date incurs a late penalty on late problems. The “Part A” prep homework has a 10% late penalty and the “Part B” homework has a 20% late penalty. Final Due Dates on homework coincide roughly with relevant test dates. **Thus, Test 1 homework may not be submitted after Sunday, 9/10/2026; Test 2 homework may not be submitted after Tuesday, 10/08/2026; Test 3 homework may not be submitted after Sunday, 11/3/2026; Chapter 4 & 5 homework will close Tuesday, 12/3/2026. The homework grade will be updated in Blackboard only after each test and at the end of the semester.**

Ignore the due dates in Blackboard (as they are relative to grade entry.) Follow the due dates on this syllabus and in MyLab.

Note: Homework Help in MyLab Math should be used sparingly. Students should read the text and think through the material before attempting homework and they should approach homework as if it were a quiz.

IV. Tests (51% total). There are three chapter tests. **IMPORTANT: Written work on assessments must be well organized and easy to read.**

V. Final Exam (17%)

The final exam is comprehensive. The final exam date and time are available on the registrar’s website <https://www.shsu.edu/offices-departments/registrar/calendars/final-exam-schedule>

Total = 100%

There is no extra credit.

The grading scale is: A [90-100%), B [80-89%), C [70-79%), D [60-69%), F [0 - 59%).

Incomplete Grade Policy: An “X” grade indicates incomplete coursework and may be awarded students. See full policy at

<http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/scholastic-requirements/#grades-grade-points>

Absence/Late Work

Students are expected to attend and participate in class. Reasons for excused absences include documented illness, documented deaths in the immediate family and other documented crises, call to active military duty, court-imposed legal obligations (e.g., jury duty and subpoenas), religious days, special requirements of other courses and university sponsored events (e.g., performances, games/ meets, judging trips, field trips), and severe weather conditions. There are no anticipated make-up tests; nevertheless, in the event of an emergency excused absence on a test day, students must contact their instructor before or on test day (unless in hospital) and provide official documentation (doctor note, obituary, jury summons, etc.). If you miss a test but do not have official documentation or instructor approval, then a make-up is not possible. Note: The Dean of Students has detailed information regarding the university “Student Absence Notification Policy” which can be found on the website

<https://www.shsu.edu/offices-departments/dean-of-students/care-network/>

Important Dates per SHSU Academic Calendar:

<https://www.shsu.edu/dept/registrar/calendars/academic-calendar.html>

August 28, 2026 Friday Last Day to process schedule changes

September 3, 2026 Thursday Census Day (check registrar’s office to find time deadline)

November 13, 2026 Friday Q-Drop deadline (check registrar’s office to find time deadline)

December 3, 2026 Thursday Last Day to resign (check registrar’s office to find time deadline)

Artificial intelligence Policy: Artificial intelligence should not be used on any assignments in this class unless instructions on a specific assignment enables its use.

Visitors in the Classroom: Only registered students may attend class.

Classroom Etiquette: Uncovered drinks are not allowed in the class. No photos or recording are allowed without instructor permission. Do not exhibit a negative attitude as it undermines your success as well as that of other students. Computers, cell phones, earbuds and headphones are not allowed (unless a computer is being used to take notes). In particular, do not use your computer or electronic device to access material unrelated to class during class time. Hats and other non-religious headgear should not be worn in the classroom. Do not use headphones, earbuds or your cell phone in the classroom as they interfere with your attention as well as distract students around you. A student using headphones, ear bud or on a cell phone in class may result in a pop-quiz over homework for the class. Classroom behavior that interferes with (a) the instructor's ability to conduct the class or (b) the ability of students to benefit from instruction is not acceptable. Examples of such behaviors include disrespectfulness, noisiness, distracted or disruptive behavior. Penalties will apply and may include (but not be limited to) such things as being asked to leave class; revocation of drop homework, quizzes and tests; and being sent to the Dean of Student's Office for discipline.

Academic Dishonesty: All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. For a complete listing of the university policy, see: Dean of Student's Office

<https://www.shsu.edu/dept/dean-of-students/>

No computer algebra system (CAS) calculators may be used at all and no internet accessing calculators. No additional information should be added to calculators. No phones, tables, computers, notes, smart devices (of any kind) or other resources beyond personal knowledge is allowed to be accessed by students during assessments. The visible presence of a device (such as

a smartwatch, smartphone, smartglasses, earbuds, headphones etc) during an assessment may result in a zero on the assessment and is considered *de facto* evidence of cheating. Do not pull out a device while you are still in the classroom even if you turned in your assessment already.

Do not wear hats, hoodies or other loose clothing on exam day. Your hands must remain on your desk during testing and you must face forward. Please sit up straight. Cell phones should be off and stored in your backpack. Penalty on assessment applies for phones that go off during class. Calculator cases should be stored away in your backpack. No food, drink or extra items are allowed on your desk or may be used during testing.

University Policy on Academic Honesty, Federal Aid Eligibility Validation, Student Absence for Religious Holy Days, and Students with Disabilities:

<https://intranet.shsu.edu/dept/academic-affairs/faculty-handbook/syllabus-guidelines>

Course Evaluation Process: Anonymous online course evaluations are conducted 11/17/2026 – 12/3/2026. Students will receive email invitations from SHSU Academic Affairs. The student portal is listed as <https://shsu.campuslabs.com/courseeval/>

Tentative Course Schedule (*This schedule is subject to change during the semester.*)

Date Range Monday-Sunday	MATH1324 Assignments/Assessments Please read sections covered in class in the textbook in a timely manner (before class if you have trouble learning new material).
Week 1 8/19 – 8/23	Syllabus & MyLab Math Overview 1.1 The Real Numbers
Week 2 8/24 – 8/30	1.2 Polynomial 1.3 Factoring 1.4 Rational Expressions & 1.5 (negative exponents)
Week 3 8/31 – 9/6	<i>Friday 9/3/2026 Census Day</i> Quiz 1: Properties of the Real numbers, order of operation, factoring quadratic expressions 1.6 First-degree Equations 1.7 Quadratic Equations

Date Range Monday-Sunday	MATH1324 Assignments/Assessments Please read sections covered in class in the textbook in a timely manner (before class if you have trouble learning new material).
Week 4 9/7 – 9/13	<i>Labor Day Holiday Monday, 9/7/2026</i> Optional Catch-up/Review Test I (1.1 – 1.7)
Week 5 9/14 – 9/20	2.1 Graphs 2.2 Equations of Lines - Students graph lines by hand during class 2.4 Linear Inequalities
Week 6 9/21 – 9/27	Quiz 2: Equations and Graphs of Lines 3.1 Functions & 3.2 Graphs of Function 3.3 Applications of Linear Functions 3.4 Quadratic Functions and Applications - start
Week 7 9/28 – 10/4	3.4 Quadratic Functions and Applications - finish 3.5 Polynomial Functions (domain, degree & max number turning points; end behavior) 3.6 Rational Functions (domain, vertical asymptotes; end behavior & horizontal asymptotes) - start
Week 8 10/5 – 10/11	3.6 Rational Functions (domain, vertical asymptotes; end behavior & horizontal asymptotes) - finish Optional Catch-up/Review Test II (2.1 – 2.2, 2.4, 3.1, 3.3 – 3.6)
Week 9 10/12 – 10/18	<i>Fall Break 10/12/2026 – 10/13/2026</i> 6.1 Systems of Two Linear Equations 6.4 Basic Matrix Operations
Week 10 10/19 – 10/25	6.5 Matrix Products and Inverses 6.6 Applications of Matrices – Solve Matrix Equation 6.6 Applications of Matrices – Input Output Economic Model
Week 11 10/26 – 11/1	7.1 Graphing Linear Inequalities in Two Variables 7.2 Linear Programming: The Graphical Method 7.3 Applications of Linear Programming
Week 12 11/2 – 11/8	Optional Catch up/Review Test III (6.1, 6.4-6.6, 7.1-7.3) In-Class Discussion, Group Work or Worksheet
Week 13 11/9 – 11/15	<i>November 13th Q-Drop Deadline – see registrar's office for details</i> 4.1 & 4.2 Exponential Functions and Applications 4.3 Logarithmic Functions
Week 14 11/16 – 11/22	4.4 Logarithmic and Exponential Equation 5.1 Simple & Compound Interest – start 5.1 Simple & Compound Interest (includes solving for doubling, halving time) - finish
Week 15 11/23 – 11/29	Quiz 3: Exponential and Logarithm Functions & Equations In-Class 5.2 Part A Worksheet

Date Range Monday-Sunday	MATH1324 Assignments/Assessments Please read sections covered in class in the textbook in a timely manner (before class if you have trouble learning new material).
	<i>Reading Day 11/25/2026 (no class)</i> <i>Thanksgiving Holidays 11/26/2026 – 11/27/2026</i>
Week 16 11/30 – 12/6	5.2 Annuities (Excel should be used for homework) <i>All MyLab assignments close 12/3/2026</i> Review for Final Exam <i>12/4/2026 Reading Day (no class)</i>
Week 17 12/7 – 12/10	Comprehensive Final Exam https://www.shsu.edu/offices-departments/registrar/calendars/final-exam-schedule 12/10, 8:00am-10:00am in our usual classroom.