

Math 1324, Section 11 : Math for Managerial Decision Making Fall 2016 Syllabus

1 Course Information

- Location and Time: TuTh 3:30pm–4:50pm, 402 Lee Drain Building
- Professor: Dr. Martin Malandro
- Department: Mathematics and Statistics
- Office: 433 Lee Drain Building
- E-mail (preferred method of contact): malandro@shsu.edu
- Phone number: (936) 294-1580
- Office Hours: TuTh 2:00pm–3:20pm, and by appointment.
- Required Materials:
 - Textbook: *Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences, Thirteenth edition* by Haeussler, Paul, and Wood.
 - Graphing calculator: TI-83 or better recommended.

Catalog Course Description: Topics include a review of introductory algebra, equations, relations, functions, graphs, linear programming, systems of equations and matrices, and mathematics of finance. Credit 3. **Prerequisites: Passing score on the MATH TSI Assessment or equivalent.**

Course Objectives/Learning Outcomes: The primary objective of this course is to give you a foundation in the mathematics you will need in your higher-level business courses. While this course will focus on concepts that will be most useful in business-focused calculus courses, other topics will also be covered. A successful student will be able to...

- solve equations through the consistent and correct application of algebraic operations,
- use function notation and recognize the notion of function as a fundamental mathematical concept,
- work with function composition,
- recognize the shapes of the graphs of, and be able to compute with, polynomials, rational functions, exponentials, and logs,
- identify one-to-one and onto functions and be able to compute function inverses, and
- work with financial formulas, including formulas for compound interest, present values, annuities, and perpetuities.

2 Grading Policy

Your grade in the course will be calculated using the following weights:

Quizzes	15%
Homework	15%
Exams 1–3 (best two)	20% each
Exams 1–3 (worst)	10%
Final Exam	20%

Grading Scale:

A	90% or better final average
B	80–89% final average
C	70–79% final average
D	60–69% final average
F	59% or lower final average

Homework: I will assign homework on a near-daily basis. I will call on students randomly to present their homework at the board. Your homework score will be completely determined by your homework presentations.

Quizzes: You must complete quizzes on your own. Most quiz problems will be similar to problems worked in class or in the homework.

Any graded in-class activities will be recorded as quiz or homework grades.

Make-up policy: No make-ups for missed quizzes or homework will be available. Therefore, in calculating your quiz average, I will drop your (1) lowest quiz score, and in calculating your homework average, I will drop your (1) lowest homework score.

Exams: Many exam problems will be similar to homework problems, quiz problems, or examples worked in class. The final exam will be cumulative.

If you arrive late to an exam, you may still take the exam in the remaining time as long as nobody has finished the exam yet.

No exam grades will be dropped, and there will be no do-overs.

Exam make-up policy: If you miss an exam, you will be expected to show appropriate cause in writing. If you must miss an exam, I expect you to contact me beforehand. If that is impossible, then you must contact me no later than 24 hours after the exam. If you miss an exam and have not contacted me by this time, you forfeit your right to a make-up.

Academic Honesty Policy: You may work together on homework assignments and you may consult whatever sources you deem necessary while doing so. The purpose of the homework is to LEARN—specifically, to better your understanding of the underlying concepts and to gain proficiency in using them to solve problems.

Quizzes and exams, on the other hand, exist for you to DEMONSTRATE what you have learned. They are individual endeavors, where no help is to be given or received. Cheating on a quiz or exam includes, but is not limited to, sharing answers or using any form of cheat sheet (note: notes programmed into a calculator count as a cheat sheet). If I catch you cheating on a quiz or exam, I will forbid you from attending any further class meetings and assign you a grade of F in the course. You may also be referred to the dean on academic dishonesty charges.

Extra Credit Policy: Extra credit will be available in the form of one bonus question per exam. No other extra credit will be available.

Grade Dispute Policy: All grade issues need to be brought to my attention within one week of having your grade returned or posted.

Final Exam Schedule: Th Dec 8, 5pm–7pm

3 Classroom Policies

Attendance Policy: I expect you to attend every class. If you miss a class, then I expect you to get notes from a classmate. I expect you to arrive to class on time.

Classroom Rules of Conduct: Students must refrain from behavior in class that disrupts the learning process. Students are prohibited from using tobacco or smoking products in class, making offensive remarks,

reading newspapers, sleeping, talking at inappropriate times or about inappropriate things, wearing inappropriate clothing, using cellphones, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Math-related questions and math-related discussion in the classroom are encouraged. However, chatter is disruptive to the learning process and will not be tolerated. Furthermore, any variation of the question “do we need to know this for the test?” is banned.

Use of Telephones and Text Messengers in Class: Generally speaking, you may not use cell phones, computers, or other devices capable of communication in class. The one exception is that during lecture periods, you may keep your cell phone on vibrate so that you can receive text messages in case of an emergency. You may not, however, be distracted or distracting to others in checking your text messages in class, and you may not send text messages in class. All messengers must be put away for exams. SHSU Academic Policy Statement 100728 states that *even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty.* I have no choice in this matter, so if your phone goes off during a test, please don’t answer it or even pull it out to look at it.

4 Tentative Schedule

Algebra, functions, graphs, and inverses	Aug 24–Sep 14
Exam 1	Thursday Sep 15
Lines, polynomials, and exponential functions	Sep 16–Oct 10
Exam 2	Tuesday Oct 11
Logarithms, geometric series, and applications	Oct 12–Nov 2
Exam 3	Thursday Nov 3
Finance, additional topics	Nov 4–Dec 2
Final Exam	Th Dec 8, 5pm–7pm

The date/time of the final exam is set by official SHSU policy. Although I do not expect any other exam dates to change, all other dates in this list are tentative and subject to change.

5 Additional Information

All information on this syllabus is subject to change. All changes will be announced in class. Further university policies regarding academic dishonesty, student absences on religious holy days, disabilities, and visitors in the classroom which apply to this course may be found at <http://www.shsu.edu/syllabus/>. If there is a conflict between information on this syllabus and official university policy, university policy takes precedence.