



# Sam Houston State University

## Course Syllabus for Mathematics Analysis 1324 - 05

Course Information	Faculty Information
Course Title: <b>Math for Mangl. Decision Making</b>	Instructor: <b>Shirley Kitchens</b>
Course Number: <b>Math 1324</b>	Office Location: Lee Drain #439-D
Course Section: <b>05</b>	Office Phone: (936) 294 -1873
Credit Hours: <b>3 semester credit hours</b>	Office Hours: 1:30-2:30 pm MW, 9:45-10:45 am TuTh, and by appointment
Prerequisite: <b>MATH –Placement by testing or equivalent</b>	Email: <a href="mailto:shirley.kitchens@shsu.edu">shirley.kitchens@shsu.edu</a> (preferred method of contact)
Semester: Spring 2018	
Class Days and Times: <b>MW – 3:00 p.m. to 4:20 p.m.</b>	Location: <b>#219 Lee Drain Building</b>

### Required Materials:

- Textbook: *Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences*
- Graphing calculator: TI-83 or better recommended. You may not use the calculator on your phone

### Course Description:

Topics include a review of introductory algebra, equations, relations, functions, graphs, linear programming, systems of equations and matrices, and mathematics of finance.

### 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 polynomials, rational functions, exponentials, and logs and derive problems using their computation.
- Identify *one* – *to* – *one* and *onto* functions and compute function inverses, and

- Work with financial formulas, including formulas for compound interest present values, annuities, and perpetuities.

#### **Tentative Lecture Outline:**

<b>Chapter</b>	<b>Sections</b>	<b>Test</b>
Chapter 0	Sections 0.1-0.8	
Chapter 1	Section 2	Test 1
Chapter 2	Sections 1-5	
Chapter 3	Sections 1-4	Test 2
Chapter 4	Sections 1-4	
Chapter 5	Sections 1-5	Test 3

#### **Grading Policy:**

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

<b>Grading Weight</b>	<b>Assignment</b>	<b>Points</b>
	Tests 1, 2, 3	300
	Quiz Average	100
	Homework Average	100
	Final Exam	125
<b>Grading Scale</b>	<b>Points</b>	<b>Grade Percent</b>
A	559-625	89.5-100
B	497-558	79.5– 89.4
C	434-496	69.5– 79.4
D	372-433	59.5-69.4
F	> 372	> 59.5

**Homework:** Homework will typically be assigned daily and due the following class day. I may not collect homework every day, but please assume it will be collected. Although NO LATE HOMEWORK IS ACCEPTED, I will drop the two lowest grades.

**Quizzes:** Quizzes are given in the last 10 or 15 minutes of the class time. Problems may be taken from the homework or similar to the assigned homework problems. The two lowest quiz grades will be dropped since no quiz can be taken late.

**Make-up policy:** As stated above, no make-ups are given for missed quizzes or homework. When calculating your quiz average or homework score, I will follow the above guidelines.

**Exams:** Many exam problems will be like 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. *At end of the semester, if a student scores higher on the final exam than one test score, the final exam percentage grade will replace the lower test score count as a final exam score.*

**Academic Honesty Policy:** You may work together on homework assignments, and you may consult whatever sources you deem necessary. 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 such as notes programmed into a calculator.

**Attendance Policy:** Students are expected to attend every class. If class must be missed, the student is expected to get the notes from another student.

**Classroom Rules of Conduct:** Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and students with respect. Students are to refrain from phone use while in the classroom. Under no circumstances are cell phones or any electronic devices, other than a calculator, to be used or seen during times of examination.

**University Policy on Use of Phones:** The use by students of electronic devices that perform the function of a telephone or text messenger during class-time are prohibited except with prior approval from the instructor for emergency use. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. 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. Failure to comply with this policy could result in expulsion from the classroom or with multiple offenses, failure of the course.

**Visitors in the Classroom:** Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

**Student Absences on Religious Holy Days Policy:** Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See above Make-up Policy.

**Disabled Student Policy:** It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should visit with the Office of Services for Students with Disabilities located in the Counseling Center.