

Clarendon College

Clarendon, Texas
Fall 2011
Math 1324-101
Math for Business & Social Science I

Instructor: Linda Rowland
Box 968
Clarendon, TX 79226

Office: 109
Phone: 806-874-4824
e-mail: linda.rowland@clarendoncollege.edu

Classroom Location: Clarendon College Room #101 **Time:** MWF 11:00 to 11:55 am
Office Hours: MW 12:30 to 1:00 and 3:00 to 3:25 for Tutoring
 T & R 1:00 to 3:25
 F 12:30 to 2:40

Course Description: Linear equations and applications, linear forms and systems of linear equations, matrix algebra and applications, probability and applications, linear programming and mathematics of finance.

Lecture Hours: 3
Laboratory Hours: 0
Semester Hours: 3

Prerequisites: Appropriate THEA scores or consent of the Instructor

Statement of Purpose:

This course is intended to prepare students for further studies in mathematics and science, to meet the math requirements for an associate degree, and be a transferable credit to another institution.

Required Instructional Materials:

Textbook: Lial, Greenwell, Ritchey. Finite Mathematics and Calculus with Applications, 8th edition.
Pearson/Prentice Hall, 2009

Supplies: Textbook, paper, graph paper, pencil, graphing scientific calculator, and Math XL ID# XL0R-91N2-201Y-8FQ2

Methods of Instruction:

1. Answer questions and review previous assigned work.
2. Explanation of the concept and skills under consideration
3. Provide examples on the board with step by step explanation of the operations and principles being applied.
4. Comment when appropriate on the history, importance, and application of specific concepts.
5. Overheads and power point when appropriate.

Course Objectives

At the end of the course the student should be able to:

1. Apply the basic principles of Algebra.
2. Define, form, and interpret linear function.
3. Solve system linear equations with matrices.
4. Perform the operations on matrices.
5. Apply the Graphical and Simplex Methods.
6. Compute simple and compound interest and future and present value of annuities.

7. Define and apply concepts in sets and probability.

Exemplary Objectives:

1. To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and determine the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
6. To recognize the limitations of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

Grading Policies:

Attendance: 10% After second unexcused, this grade goes to a zero.

Quizzes: 15% Quizzes are located on MathXL

Tests: 25% Chapter Tests taken on the Math XL

Final: 35% No early finals are given unless permission is given by the Dean of Instruction.

Research Paper 15%

IMPORTANT: NO GRADES WILL BE ACCEPTED UNTIL AFTER THE CLASS CONTRACT HAS BEEN SIGNED. IF GRADES ARE TAKEN BEFORE CONTRACT IS SIGN THEN THEY WILL BE RECORDED AS ZEROS.

A simple average of the above will be used to determine the letter grade for the course based on the following:

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
Below a 60	F

A student's final grade will be made available through Campus Connect at Clarendon College's website.

Student Academic Integrity:

Failure to comply with lawful direction of a classroom instructor is a disruption for all students enrolled in the class. Cheating violations include, but are not limited to: (1) obtaining an examination, classroom activity, or laboratory exercise by stealing or collusion; (2) discovering the content of an examination, classroom activity, laboratory exercise, or homework assignment before it is given; (3) using an unauthorized source of information during an examination, classroom activity, laboratory exercise, or homework assignment; (4) entering an office or building to obtain unfair advantage; (5) taking an examination for another person; (6) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (7) altering grade records; (8) using any unauthorized form of electronic communication device during an examination, classroom activity, or laboratory exercise; (9) Plagiarism. Plagiarism is the using, stating, offering, or reporting as one's own, an idea, expression, or production of another person without proper credit.

Disciplinary actions for cheating in a course are at the discretion of the individual instructor. The instructor of that course will file a report with the Dean of Students when a student is caught cheating in the course, whether it be a workforce or academic course. The report shall include the course, instructor, student's name, and the type of cheating involved. Students who are reported as cheating will receive a zero for the class and be reported to the Dean of Students.

Classroom Conduct:

I will show you the respect you deserve as a student. I, in return, expect respectful behavior from you.

Disrespectful behavior includes...

- **Arriving late.**
- **Leaving the room during class time.** Plan restroom visits before or after class—not during class. If special needs exist, please make prior arrangements.
- **Using electronic communication devices.** This includes cell phones, pagers, etc. These are not allowed during class time. If special needs exist, please make prior arrangements.
- **Sleeping in class.**
- **Talking in class.** Class time is not the time to visit with your fellow classmates. If you do, I will ask you to leave the classroom.
- **Using headphones.** If you do, I will ask you to leave the classroom.
- **Use of profane or inappropriate gestures and/or language.**
- Use of any tobacco product and spitting of sunflower seeds
- Improper dress such as showing too much skin.

Class Policies:

1. **Absences:** Please take class attendance seriously for it is mandatory. You are here to learn all you can learn, to build a body of knowledge to help you in your career and/or to give you satisfaction in the future. Students who are motivated come to class. ***You are responsible for the material covered in class (lecture or lab) even if you are absent.***

Excused absences: Make-ups for tests will be allowed *only* if absences are excused. Majority of missed test will be made up prior to test due date. Excused absences can result from...

1. illness on the part of the student requiring a note from the doctor with student's name on it.
2. severe illness or death in your *immediate* (not extended) family: e-mail from the Dean of Instruction/Students
3. college sanctioned extracurricular events : student's name must be on the list sent out through the e-mail from their coach.
4. unfavorable weather conditions that prevent students from reaching the college: e-mail from Dean
5. Death in immediate family: student's name will be listed in the obituary

You should telephone or e-mail me *in advance* of an absence (leave a message if necessary). Even in emergencies, it usually is possible for you to get word to me about an absence.

3. **Make-up work:** Late or unexcused work will not be accepted. Students who have excused absences **MUST** let me know *before* the test is given that we need to schedule a make-up. In most cases, the tests must be taken **PRIOR** to the absence in order to receive full credit. ****If you take the test after it has been given to the class, you will receive a 10% penalty per school day that passes until you take the make-up.**** To avoid the penalty, **MAKE SURE YOU TAKE A MAKE-UP TEST BEFORE YOU LEAVE.**
4. **Scholastic Honesty:** I adhere to a strict policy regarding academic honesty. Anyone who is dishonest in any way will receive a zero on that assignment or exam with no opportunity to make up the zero and may be dropped from the course with a grade of F. Note that dishonest behavior includes both the act of copying someone else's work as well as allowing someone to copy your work. Both students are equally guilty and will be equally punished.

5. **Electronic Communication Devices:** Please turn them off before you enter class. Many people now have cell phones, pagers, etc. When these gizmos sound off in class, they distract everyone—you, me, and other students—and we all have to wait until someone turns off the device before class starts up again. It's not fair for anyone to distract and waste the time of a whole class this way. Consequently, each time an electronic device sounds off in class, one point will be subtracted from the owner's **final course average**. (That means, 5 times = one half a letter grade in the course.) Medical devices, such as insulin pumps, that have alarms are excused from this policy, but please inform me so that points won't be deducted erroneously. Leave all lap tops in the dorm or car unless the class is specified as a lab.

American with Disabilities Act Statement: Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, it is your responsibility to notify the Office of Student Services (806-874-3571 or 800-687-9737). We will then work with you to make whatever accommodations we need to make.

Dropping a Course:

Withdrawal: If you decide that you are unable to complete this course or that it will be impossible to complete the course with a passing grade, you may drop the course and receive a "W" on your transcript instead. Withdrawal from a course is a formal procedure that you must initiate. If you do not go through the formal withdrawal procedure, you will receive a grade of "F" on your transcript. A student is permitted to drop a course if he/she obtains an official drop slip from the office and has the instructor sign the slip before the 12th class week.

Remember, a student is only allowed to drop the same class twice before he/she will be charged triple the tuition amount for taking the class a third time or more. Furthermore, beginning with the Fall 2007 semester, students in Texas may only drop a total of 6 courses throughout their entire undergraduate career. After the 6, he/she will no longer be able to withdraw from any classes.

Important dates: Class Begins	Wednesday, August 31 th
Last Day to Add/Drop	Tuesday, September 9 th
Thanksgiving Holiday	Wednesday, November 23 th -26 th
Final Exams	Saturday – Thursday, December 12 th – 15 th

Withdrawal from College:

When a student finds it necessary to withdraw from school before the end of the semester, he or she should obtain a withdrawal form from the Office of Student Services. Students may also withdraw from the college by sending a written request for such action to the Registrar's Office. The request must include the student's signature, the student's current address, social security number and course information details. Students who withdraw after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar will be assigned a grade of "W."

All assignments excluding the Final are found on Math XL. (www.mathxl.com)

Due

Chapter 1: Linear Functions	9/16/2011
Chapter 2: Systems of Linear Functions	9/30/2011
Chapter 3: Linear Programming: Graphical	10/15/2011
Chapter 4: Linear Program: Simplex	10/30/2011
Chapter 5: Mathematics of Finance	11/15/2011
Chapter 6: Logic	11/30/2011

Course outline and assignments are subject to change at discretion of Instructor.