

Course Syllabus

Clarendon College
Division of Math and Science
Mathematics Foundational Component Area

MATH 1314.221 -- College Algebra

Semester: Fall 2024
Instructor: Frank Vance
Classroom Location: MKBC 203
Time: MWF 12-1 PM

3 credit hours

Instructor Contact Information:

Office location: MKBC 206A
Phone: 665-8801
Email: frank.vance@clarendoncollege.edu

Office Hours: 10-12 AM MWF
1-2 TTh Virtual (phone-email)
11-12:30 TTh
By Appointment

Textbook:(optional) Algebra for College Students 9th Ed.
Lial, Hornsby and McGinnis
Pearson

8th edition book will work: do not spend a lot for book

Required Material: Graphing Calculator (prefer TI 83Plus, TI 84)
Paper and Pencil (notebook), MathXL (provided by college-part of tuition)

Purpose of the Course: College Algebra partially satisfies the requirements for the Associates Degree at Clarendon College and is designed for transfer to a senior college.

Course Description: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Prerequisites: Appropriate TSI assessment scores or consent of the instructor.

Other Relevant Materials:

Student Requirements:

As in any college level course, the student is required to stay current with the instruction in class. The instructor will inform you through the MathXL announcement page of any due dates. It is the students responsibility to see that they are met. YOU WILL NOT RECEIVE WARNINGS! DO NOT MISS THEM!

Core Objectives: In accordance with recommendations from the Texas Higher Education Coordinating Board, all mathematics courses at Clarendon College will address the following core objectives:

1. **Critical Thinking Skills** – including creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
2. **Communication Skills** – including effective written, oral and visual communications.
3. **Empirical and Quantitative Skills** – including application of scientific and mathematical concepts

Learning Outcomes: The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real world problems.

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses. (Assesses EQS with Quiz for Student Understanding of THECB Learning Outcome One)
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations. (Assesses CT, EQS, and COM with Quizzes to Demonstrate Mastery of THECB Learning Outcome Two and Learning Outcome Three B)
3. Apply graphing techniques. (Assesses CT, EQS with Quiz to demonstrate Mastery of THECB Learning Outcome 2)
4. Evaluate all roots of higher degree polynomial and rational functions. (Assesses CT and EQS with Quiz to demonstrate Mastery of THECB Learning Outcome Four)
5. Recognize, solve and apply systems of linear equations using matrices. (Assesses EQS with homework assignment followed by a quiz to check for understanding and mastery)

Methods of Instruction

Methods of Instruction:

1. Reading assignments.
2. Lecture with discussion and examples.
3. Problem assignment.
4. Discussion of problems.

Important Dates:

Add and Drop Date: Thursday August 29, 2024
Last withdrawal date with "W": Thursday November 14, 2024
Finals: Monday ,1:30 (12:00) PM, December 9, 2024

Grading Policies:

Objective Quizzes: 25% (5% each – one dropped)
Chapter Test 50% (5% each – two dropped – number depends on time)
Comprehensive final exam 25% (in class on paper, NO CELL PHONES)

The final semester grades will be figured as set in the current catalog:

90 to 100 = A 80 to 89 = B 70 to 79 = C 60 to 69 = D Below 59 = F

Your assignments grades and official final grade will be made available through your Student Portal at Clarendon College's website.

Grievance/Appeals

If you have a dispute concerning your grade or policies in this class, it is the student's responsibility to contact the instructor to discuss the matter. Should things remain unresolved, please follow the procedures described in the Clarendon College Student Handbook or College Policy Manual.

Personal Policies

Attendance Policy: Example

Class attendance is NOT optional. More than 1 "unexcused" absence will result in grade deductions. If you cannot attend a class send an e-mail or leave a voice message to my phone before the next class period, otherwise it is considered "unexcused". Be very detailed in what you consider as excused or unexcused absences.

Example: Excused: Note from Doctor

Name in obituary as next of kin

E-mail from coach or Dean of Instruction

Unexcused: Not coming to class

Note from Mother, Father, or Guardian

Sleeping in class

Cell phone in your hands or on desk

Laptops on the desk

Earphones in the ears or hanging around the neck

College Policies

Academic Integrity Policy

Clarendon College is committed to a philosophy of honesty and academic integrity. It is the responsibility of all members of the Clarendon College community to maintain academic integrity at Clarendon College by refusing to participate in or tolerate academic dishonesty. Any act of academic dishonesty will be regarded by the faculty and administration as a serious offense.

Academic dishonesty 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) observing the work of another during an examination or providing answers to another during the course of an examination; (4) using an unauthorized source of information during an examination, classroom activity, laboratory exercise, or homework assignment ; (5) entering an office, classroom, laboratory, or building to obtain unfair advantage; (6) taking an examination for another person; (7) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (8) altering grade records; (9) using any unauthorized form of an electronic communication device during an

examination, classroom activity, or laboratory exercise; and/or, (10) plagiarism. (Plagiarism is defined as the using, stating, offering, or reporting as one's own, an idea, expression, or production of another person's work without proper credit. This includes, but is not limited to, turning in a paper purchased or acquired from any source, written by someone other than the student claiming credit, or stolen from another student.)

Students are responsible for reporting known acts of academic dishonesty to a faculty member, the program coordinator, the associate dean, and/or dean. Any student with knowledge of a violation who fails to report it shall him/herself be in violation and shall be considered to have committed an act of academic dishonesty. Additionally, any student who reports him/herself in violation of this code before it is likely that another might consider this possibility will be understood as repentant and acting in good faith. Though the confession will not excuse the student for the violation, the confession will be considered and the violation should not result in suspension from school except in the most extreme cases.

While academic integrity and honesty are the responsibility of the individual student, each individual faculty member, teaching assistant, and/or laboratory instructor is responsible for classroom management and for maintaining ethical behavior within the classroom and/or laboratory. Faculty who discover or suspect a violation should discuss the matter with the suspected violator(s) and attempt to resolve the case at that point. In cases of convincing evidence, the faculty member should take appropriate action. The faculty member and student should complete a Counseling Sheet regarding the violation. (The Counseling Sheet should contain at a minimum the date and time of the violation, the course, the instructor's name, the student's name, an explanation of the infraction or facts of the case, and the resolution to the incident.) This form should be signed by the student, faculty member, program coordinator, and the Dean of Students. The Dean of Students will maintain a file on all violations. If a faculty member prefers to report the case directly to the Dean of Students, it remains his/her prerogative to do so. Additionally, if the faculty member and the accused student cannot reach a resolution or if the faculty member believes that suspension from school is the only fair sanction, the case should immediately be reported by the faculty member, in writing, to the Dean of Students. If the Dean of Students observes any trends in student behavior which involve more than one violation or act of academic dishonesty, the Dean is responsible for notifying all faculty members involved, for contacting the student(s) involved, and after consultation with the faculty member(s) involved for taking the appropriate action. The Dean of Students is responsible for the timely notification (normally within two weeks) to all parties of an action taken.

Students wishing to appeal a disciplinary decision involving academic integrity or acts of academic dishonesty may do so through the Student Appeals and Grievance Procedure.

Withdrawing from (Dropping) the Course

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. (The last day to drop a course is available on the Academic Calendar, located at the Student link on the Clarendon College website.) 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 whatever grade you have earned.

Whether to drop a class or not requires a lot of thought. According to Texas state law 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 6th dropped class, he/she will no longer be able to withdraw from any classes.

Accommodations Statement

Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, notify the Dean of Student Services. We will work with you to make whatever accommodations we need to make.

Clarendon College Campus Carry Policy:

Go to <http://www.clarendoncollege.edu/CampusCarry>

Tentative Course Schedule:

Chapters 1 through 10.

Chapter Tests in MathXL

Quizzes and Final are in class by hand.