

Course Syllabus

Clarendon College
Division of Math and Science
Mathematics Foundational Component Area

MATH 1314.221 -- College Algebra

Semester: Fall 2025
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 28, 2025
Last withdrawal date with "W": Thursday November 13, 2025
Finals: Monday ,1:30 (12:00) PM, December 8, 2025

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)

Final Exams: The schedule of final exams times is published at the beginning of the semester. You can find the schedule for final exams at: <https://www.clarendoncollege.edu/insideCC>. Do not make plans to leave school before your scheduled final exam. Faculty members cannot on their own authorize a student to take a final exam early. In exceptional circumstances if a student needs to take a final exam early, he/she may request early final exams by filling out the form at: <https://www.clarendoncollege.edu/Resources/Admin/Request%20for%20Early%20Final%20Exams.pdf>.

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

STUDENT ACADEMIC INTEGRITY AND CLASSROOM ETHICS

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 an 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 activity; 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 vice president, 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.

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 Vice President of Academic Affairs. The Vice President of Academic Affairs will maintain a file on all violations. If a faculty member prefers to report the case directly to Vice President of Academic Affairs, 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 Vice President of Academic Affairs. If the Vice President of Academic Affairs observes any trends in student behavior which involve more than one violation or act of academic dishonesty, the Vice President of Academic Affairs 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 Vice President of Academic Affairs 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

Course Withdrawal--Students desiring to make schedule changes after their initial registration each semester must do so during the designated “Drop and Add” period as scheduled in the College Catalog. Students will be required to pay tuition and fees applicable to any class(es) added to their schedule.

Official withdrawal from a course is initiated in the Office of the Registrar. However, each student should consult with his/her academic advisor or the Associate Dean of Enrolment before officially withdrawing from a course. A student who stops attending a class without officially dropping it may receive a grade of “F” for that class.

The full details of **Student Rights and Responsibilities** policies can be viewed on Clarendon College's website at: [www.clarendoncollege.edu/Resources/Legal/24-25/FLA\(LEGAL\).pdf](http://www.clarendoncollege.edu/Resources/Legal/24-25/FLA(LEGAL).pdf)

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.