

ALGEBRA 2 COURSE SYLLABUS

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| Course Name | Algebra 2 |
| Semester and Year | FALL 2025 |
| Instructor Name | David Caughran |
| Office Location | CCHS M121 |
| Office Hours | 3:15 – 3:45 pm M-F |
| Phone | 423-623-8718 ext 115 |
| Email | caughrand@cocke.k12.tn.us |
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| Prerequisites | ! year of high school algebra |
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| Required Text | <u>Savvas online textbook accessed through Clever</u> |
| Required Materials | TI-84 graphing calculator required for course – Discuss with instructor if you own a different graphing calculator |
| websites/apps for this course, list the apps and the platform | Clever.com Savvasrealize.com |
| General Education Course Designation | Yes |

Course Objectives:

1. Linear Functions and Systems
2. Quadratic Functions and Equations
3. Polynomial Functions
4. Rational Functions
5. Rational Exponents and Radical Functions
6. Exponential and Logarithmic Functions
7. Trigonometric Functions
8. Trigonometric Equations and Identities
9. Conic Sections
10. Matrices
11. Data Analysis and Statistics
12. Probability

Instructional and Evaluation Methods:

9 weeks grade calculations:

Homework counts 25%

Quiz Average counts 25%

Exam Average counts 50%

$$9 \text{ week Avg.} = 0.50 (\text{Exam Avg.}) + .25(\text{HW Avg.}) + 0.25(\text{Quiz Avg.})$$

Testing Procedures:

Quizzes will be given throughout the semester. There will be end of chapter in-class exams and a comprehensive final exam.

Semester Test: The Semester Test will be given according to the CCHS schedule posted.

End of Course Exam given according to state schedule.

Grading Scale:

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| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | 0-59 |

Assignments/Projects: Will be given on a per class basis.

Class Participation: It is expected that each student participant in classroom discussion, work and classroom exercises. Students will be evaluated on their class participation.

Other Requirements: Program Specific Policies

HOMEWORK:

Homework will be due on the assigned date. Homework will be accepted one week late with a 10 point penalty. Homework turned in later will receive a grade of zero.

QUIZZES:

Quizzes will be given throughout the semester, some of which are in-class quizzes and others to work at home. A missed in-class quiz due to an absence will receive a score of zero until made up.

EXAMS:

There will be end of chapter in-class exam and there is also a EOC Exam that will count 15% of final weeks grade which will be administered near the end of the semester.

ATTENDANCE:

Regular attendance is mandatory for your success in this course. Students will receive homework assignments each class meeting. Students are expected to do the assignments in preparation for discussion during the next class meeting.