

Dual Credit College Algebra MATH 1314

Instructor Information

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Office Hours: Upon request

Textbook/Supply Information

College Algebra: An Early Functions Approach by Robert F. Blitzer.
TI 83/84 (TI 89 will not be permitted)
Notebook and Pencil

- Note: All work must be completed using PENCIL. Any work done on PEN will not be graded.

Student Learning Outcomes for the Course

Upon successful completion of this course, student will:

1. Demonstrate understanding and knowledge of properties of functions, which include domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential, and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Student Requirements for Completion of the Course

Homework: Homework will be assigned on a regular basis and students are expected to turn them in on time.

Tests:

Test 1: Chapter 1
Test 2: Chapter 2
Test 3: Chapter 3
Test 4: Chapter 4
Test 5: Chapters 5 & 6

Final Exam: A comprehensive final exam will be given.

Student Assessment:

- (1) Homework 10%
- (2) Chapter Tests 65%
- (3) Final Exam 25%

Faculty may assign both in- and out-of-class activities to evaluate students' knowledge and abilities.
Faculty may choose from the following methods:

- Attendance
- Book reviews
- Class preparedness and participation
- Collaborative learning projects
- Compositions
- Exams/tests/quizzes
- Homework
- Internet
- Journals
- Library assignments
- Readings
- Research papers
- Scientific observations
- Student-teacher conference
- Written assignments

Grading Scale:

Students' final grades are determined by:

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

Final Grade = 0.10*homework average + 0.65*chapter test average + 0.25*final exam average

Class Schedule:

Please check your schedule for class time.

Other:

Class Absences may cause in lower grades.

Academic Dishonesty may result in failing grades. Student found of academic dishonesty will be dropped from the class.