



COURSE SYLLABUS

COURSE TITLE: COLLEGE ALGEBRA

TERM & YEAR:

COURSE & SECTION NUMBER: MA 113

TIME & PLACE:

NUMBER OF CREDIT HOURS: 3-0-3

INSTRUCTOR:

OFFICE LOCATION/HOURS:

OFFICE PHONE:

EMAIL:

COURSE DESCRIPTION: Topics include: rational algebraic expressions, quadratic equations, non-linear systems, partial fractions, binomial expansion, synthetic division, determinants, exponents, radicals, logarithms.

PREREQUISITES: Adequate SAT/ACT Mathematics score or approval from mathematics department chair.

REQUIRED TEXT:

Required for this course:

REFERENCES: There are a variety of college algebra texts available in the library. And don't forget to use the World Wide Web as a source of help.

OTHER MATERIALS: Calculator - TI 84 equivalent

LEARNING OUTCOMES: Upon completion of this course, the student should be able to:

1. Simplify rational algebraic expressions,
2. Graph and solve quadratic equations,
3. Graph and solve non-linear functions,
4. Decompose rational expressions into partial fractions,
5. Perform binomial expansions,
6. Use synthetic division,
7. Evaluate determinants,
8. Apply rules governing the use of exponents,
9. Simplify radical expressions, and
10. Apply rules governing the use of logarithms.

COURSE REQUIREMENTS:

ATTENDANCE/PARTICIPATION: Class attendance is expected. Attendance will be taken daily. Students who miss class for any reason are responsible for all materials discussed and presented in their absence as well as turned in assignments and must notify the instructor by e-mail or phone prior to the absence. Failure to do so will result in unexcused absences which, in turn, will cause the course grade to be lowered

GRADING/EVALUATION: Indicate your grading procedures and the type of evaluations you plan to use.

OTHER POLICIES: You may wish to indicate policies such as the consequences of academic misconduct, methods of communication, student expectations, instructor expectations and any other policy that needs to be clarified at the beginning of the course.

ACADEMIC MISCONDUCT

The University prohibits all forms of academic misconduct. Academic misconduct refers to dishonesty in examinations (cheating), presenting the ideas or the writing of someone else as one's own (plagiarism) or knowingly furnishing false information to the University by forgery, alteration, or misuse of University documents, records, or identification. Academic dishonesty includes, but is not limited to, the following examples: permitting another student to plagiarize or cheat from

one's own work, submitting an academic exercise (written work, printing, design, computer program) that has been prepared totally or in part by another, acquiring improper knowledge of the contents of an exam, using unauthorized material during an exam, submitting the same paper in two different courses without knowledge and consent of professors, or submitting a forged grade change slip or computer tampering. The faculty member has the authority to grant a failing grade in cases of academic misconduct as well as referring the case to Student Life.

PLAGIARISM

You are expected to submit your own work and to identify any portion of work that has been borrowed from others in any form. An ignorant act of plagiarism on final versions and minor projects, such as attributing or citing inadequately, will be considered a failure to master an essential course skill and will result in an F for that assignment. A deliberate act of plagiarism, such as having someone else do your work, or submitting someone else's work as your own (e.g., from the Internet, fraternity file, etc., including homework and in-class exercises), will at least result in an F for that assignment and could result in an F for the course.

ELECTRONIC DEVICES:

Use of electronic devices including smart watches and cell phones is prohibited during exams or quizzes unless directly allowed by the instructor.

COURSE CALENDAR/SCHEDULE:

ADDITIONAL INFORMATION: You may wish to include other information here. Include information that you would repeat in lessons, practices, policies, etc.