

Math 191

Syllabus

To view a video version of the syllabus go to:

<http://vserver.chattcollege.com/rutherford/math191syllabus.wmv>

Course Information

- Course Prefix and Number
 - Math 191
- Course Reference Number (CRN) as assigned
 - 10342
- Class Hours 5
- Lab Hours: None
- Quarter
 - 200901
- Catalog course description
 - Covers standard topics in College Algebra. Topics include: a review of intermediate algebra, the function concept, elementary functions, algebra of polynomials, conic sections, and systems of equations. Applications involving linear and quadratic equations are included.
- Prerequisites/Co-requisite
 - Program admission-level math achievement or Math 099

Instructor Contact Information

- Name: Jim Rutherford
- Phone: 770-528-4497
- E-mail: jrutherford@chattcollege.com
- Office # B209.1
- Office hours MW 1:00-3:00

✚ Texts

- Required: Thinkwell College Algebra Bundle CD and Text
- Optional

✚ Supplies Needed

- Graphing calculator
- Course Goals and Objectives
 - Demonstrate the concept of sets and set notation
 - Utilize the laws of exponents
 - Simplify radicals and use them in arithmetic operations
 - Perform arithmetic operations on polynomials
 - Identify all factors of algebraic expressions
 - Solve linear equations and their applications
 - Solve quadratic equations and their applications
 - Solve quadratic and rational inequalities
 - Solve exponential equations and their applications
 - Solve logarithmic equations and their applications
 - Graph ordered pairs
 - Define relations and functions
 - Graph linear functions
 - Graph quadratic functions
 - Graph exponential and logarithmic functions
 - Solve systems of linear equations and their problems
 - Solve systems of linear equations with matrices
 - Graph conics which might include hyperbolas, parabolas, ellipses, and circles.

✚ Assignments and Dates Due: Assignments will be posted weekly on the Thinkwell web site. Tests are due at the beginning of the next class period. After the due date and time, the assignments will be available for four more days for those doing them late. The highest score on a late assignment will be capped at 80%.

✚ Grading Criteria: Grades will be based on:

- Attendance 10%
- Homework 20%
- Tests 70%
- ✚ Attendance Policy: Students are expected to attend each weekly class.
- ✚ Grading Scale:

The following grading system is used college-wide:

| <u>Grade</u> | <u>Standard</u> | <u>Numerical Equivalency</u> |
|--------------|------------------|------------------------------|
| A (90-100) | Excellent | 4 |
| B (80-89) | Good | 3 |
| C (70-79) | Satisfactory | 2 |
| D (60-69) | Poor | 1 |
| F (0-59) | Failing | 0 |
| WF | Withdrew failing | 0 |

-
- ✚ Work Ethics Grades:

A work ethics grade of 3, 2, 1 or 0 will be assigned to student in all courses. This grade is assigned in accordance with Georgia Department of Technical and Adult Education standards. The work ethics grade will be displayed on the student's official transcript but will not affect the academic grade point average. It is designed to evaluate and encourage good work habits.

Academic Dishonesty statement

Any student found to have committed the following misconduct is subject to disciplinary sanctions:

- Acts of dishonesty, including but not limited to the following:
- Cheating, plagiarism, or other forms of academic dishonesty.

- Furnishing false information to any Technical College office, faculty member or office.

Withdrawal Statement:

Through the end of the eighth (8th) week of the quarter, a student may drop some or all course from his or her schedule. During weeks 1-5 a student will receive a grade of W; during weeks 6-8 a student will receive a grade of WF or WP. WF's are calculated into the grade point average just as an F would be. Withdrawal forms are available in the student services office.

Stopped Attending Policy:


After a student has attended a class at least one time, he/she is considered to be on the class roster. At the mid-term faculty are required to submit a list of students who have stopped attending. The definition of "stopped attending" is:

- A student who has missed two consecutive weeks of a course that meets once per week.
- A student who has missed 4 consecutive days of a class that meets twice per week.
- A student who has missed 4 consecutive days of a class that meets daily.
- A student who has not logged on to an on-line or telecourse for 14 consecutive days
- It is the student's responsibility to contact the instructor if s/he is to be absent from class or has missed class. It is the instructor's decision as to whether to allow the student to return to class or to submit the student as "stopped attending" if the student misses the above defined number of classes.
- Students submitted as "stopped attending" are not eligible to be reinstated into the course; they will receive a grade of U or F for the courses, unless the

student withdraws from the course using the appropriate withdrawal procedure

Warranty Statement:

Any graduate of Chattahoochee Technical College who is determined to be deficient in a competency identified in the state program standard shall be retrained at no cost upon the request of a graduate of the employer in conjunction with a graduate. This warranty is valid for two consecutive years following the date of graduation.

 Service Learning definition:

- Service Learning combines classroom instruction with community service, focusing on critical, reflective thinking as well as personal and civic responsibility.