

SYLLABUS MAT 191

INSTRUCTOR: John P. Kane
QUARTER BEGINNING: 07/11/08
FINAL EXAM: 09/09/08
LAST DAY FOR 100% REFUND: 07/03/08
WITHDRAWAL WITH "WP" OR "WF" DATE: TBP
CREDIT HOURS: 5 hours

QUARTER: SUMMER 2008
LAST REGULAR CLASS: 09/04/08
HOLIDAYS: None
WITHDRAWAL WITH "W" DATE: TBP
CRN: 10078

CLASS MEETING DAYS AND TIMES: Tuesdays and Thursdays, 8:15 – 10:20 PM, see attached meeting schedule.

OFFICE HOURS: By appointment (O) 770-794-5723, (H) 770-345-9724, (e-mail) jkane@marietta.edu

PREREQUISITES: MAT 099, MAT 152 or placement by diagnostic testing.

COURSE DESCRIPTION: This course introduces various algebra concepts to include: the function concept, elementary functions, algebra of polynomials, conic sections and systems of equations.

TEXTBOOK: A Graphical Approach to College Algebra, **FOURTH** Edition, by Hornsby, Lial and Rockswold.

COURSE OBJECTIVES: After successful completion of MAT 191, the student should be able to do the following:

- A. Demonstrate the concept of sets and notation.
- B. Solve linear equations and inequalities, systems of linear equations with two variables, quadratic, exponential and logarithmic equations.
- C. Solve application problems.
- D. Identify all factors of algebraic equations.
- E. Compute the value of expressions using the laws of exponents.
- F. Simplify radicals and use them in arithmetic operations.
- G. Graph linear and quadratic equations, exponential and logarithmic functions, and conics.
- H. Define and recognize relations and functions.
- I. Perform operations on functions, find composite functions and determine inverse functions.
- J. Define complex numbers.
- K. Expand binomials using Pascal's Triangle or the Binomial Theorem.

PLAGIARISM: Plagiarism is the misrepresentation of another's work as your own and will not be tolerated. Cheating of any kind will result in the student's dismissal with a grade of F for the course.

SCHEDULE OF TESTS AND ASSIGNMENTS: See attached schedule.

EVALUATION PROCEDURES: Grading will be based on tests, class participation, completion of homework assignments and the final exam. Each of the three tests will count for 20% of the grade, the homework assignments and class participation will count for 20% of the grade and the final exam will count for the remaining 20% of the grade.

COURSE GRADE: The student will receive one of the following grades:

- A – Excellent (90 - 100)
- B – Good (80 - 89)
- C – Satisfactory (70 - 79)
- D – Poor (60 - 69)
- F – Failing (0 - 59)

ATTENDANCE: Attendance is mandatory. Students are expected to be in class on time. Students are aware of all requirements for the course from the first day of class, therefore, it is expected that all requirements for the course will be met in a timely manner. Students will not be given extra time or instruction for assignments missed due to habitual absences.

STOPPED ATTENDING POLICY:

The definition of “stopped attending” for this class is a student who has missed three consecutive class sessions.

It is the student’s responsibility to contact the instructor if he/she is to be absent from the 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.

If the student has not notified the instructor prior to the third consecutive absence, then the student will be automatically reported as “stopped attending”.

Students submitted as “stopped attending” are not eligible to be reinstated in the course; they will receive a grade of F for this course, unless the student withdraws from the course using the appropriate withdrawal procedure.

OFFENSIVE STATEMENTS: Offensive statements regarding one’s race, sex, creed, national origin, physical disability or mental disability are not appropriate and will not be tolerated. These statements may be considered a violation of the standards of conduct as stated in the current catalog.

WORK ETHICS: A work ethics grade of 0, 1, 2 or 3 will be assigned to students in all courses. The work ethics grade will be displayed on the student’s official transcript but will not affect the student’s grade point average. The work ethics grade is designed to evaluate and encourage good work ethics.

WARRANTY: Any graduate of Chattahoochee Technical College who is deficient in a competency identified in the state program standard shall be retrained at the request of the employer at no cost to the employer or employee for tuition or instructional fees. This warranty is valid for two (2) consecutive years following the student’s date of graduation.

CALCULATORS: Calculators will be used in MAT 191.

AMERICANS WITH DISABILITY ACT (ADA) STATEMENT: An individual with a disability who may require assistance or accommodation in order to participate in or receive the benefit of a service, program or activity, or who desires more information may contact Ms. Mary Frances Bernard at 770-528-4529.

CLASSROOM DECORUM:

FOOD/DRINK: Eating and drinking are not permitted in any of the classrooms or computer rooms. Students who bring food or drink to class will be asked to leave.

TELEPHONE/PAGERS: Students are asked to turn off the sound to their telephones or pagers. Students who do not adhere to these requirements will be asked to leave.

PROMPT EXIT OF CLASS: When the class has been dismissed, students are asked to gather their personal materials and exit the room promptly.

MAT 191 (CRN 10078) Class Meeting Schedule

Classroom Session	Day	Date	Class Assignment	Homework Assignment
1	Tuesday	07/01/08	Sections 1.1 thru 1.4	
2	Thursday	07/03/08	Sections 1.5 and 1.6	Page 62, numbers 6, 12, 14, 22 and 32
3	Tuesday	07/08/08	Sections 2.1 and 2.2	Page 73, numbers 6, 8, 10, 20 and 32
4	Thursday	07/10/08	Section 2.3 and R.1	Page 100, numbers 8, 16, 22, 30 and 46 Page 109, numbers 8, 12, 22, 32 and 44 Page 121, numbers 8, 10, 34, 36 and 38
5	Tuesday	07/15/08	Test 1, Chapters 1, 2 and R.1	Page 643, numbers 6, 16, 30, 40 and 52
6	Thursday	07/17/08	Sections 3.1 and 3.2	Page 179, numbers 6, 20, 30, 42 and 70
7	Tuesday	07/22/08	Sections 3.3 and R.2	Page 190, numbers 4, 10, 20, 26 and 40 Page 205, numbers 6, 18, 30, 36 and 46
8	Thursday	07/24/08	Sections 3.4 and R.5	Page 649, numbers 2, 4, 16, 22 and 36 Page 213, numbers 4, 8, 14, 16 and 18
9	Tuesday	07/29/08	Sections 3.6 and R.3	Page 671, numbers 2, 6, 10, 30 and 62 Page 239, numbers 4, 10, 22, 34 and 38
10	Thursday	07/31/08	Test 2, Chapter 3 and R.2, R.3 and R.5	Page 657, numbers 2, 14, 20, 26 and 38
11	Tuesday	08/05/08	Sections 4.1 and 4.2	Page 276, numbers 2, 8, 16, 20 and 30
12	Thursday	08/07/08	Sections 4.3 and 5.1	Page 287, numbers 8, 12, 20, 26 and 32 Page 300, numbers 4, 12, 18, 34 and 56
13	Tuesday	08/12/08	Sections 5.2 and R.4	Page 346, numbers 4, 16, 20, 28 and 42 Page 359, numbers 6, 26, 36, 46 and 62
14	Thursday	08/14/08	Sections 5.3 and 5.4	Page 664, numbers 2, 8, 18, 32 and 52 Page 371, numbers 6, 14, 28, 70 and 82
15	Tuesday	08/19/08	Sections 5.5 and 5.6	Page 381, numbers 2, 6, 10, 16 and 24 Page 391, numbers 6, 22, 28, 40 and 48
16	Thursday	08/21/08	Test 3, Chapters 4 and 5, and R.4	Page 402, numbers 4, 8, 16, 28 and 34
17	Tuesday	08/26/08	Sections 6.1 and 6.2	Page 428, numbers 8, 12, 26, 42 and 52
18	Thursday	08/28/08	Section 6.3 and Section 7.1	Page 441, numbers 4, 18, 22, 44 and 58 Page 452, numbers 8, 20, 30, 44 and 54
19	Tuesday	09/02/08	Sections 7.3 and 7.4	Page 475, numbers 12, 22, 30, 46 and 62 Page 496, numbers 2, 10, 16, 28 and 40
20	Thursday	09/04/08	Sections 7.5 and 7.6	Page 509, numbers 10, 18, 28, 42 and 52 Page 521, numbers 4, 8, 18, 26 and 34
21	Tuesday	09/09/08	Final Exam, Chapters 6 and 7	Page 533, numbers 6, 16, 28, 42 and 56
	Thursday	09/11/08	Final Grades Due to Registrar	

Homework Grading Policy. Students should strive to complete the homework on the scheduled class date; for example Sections 1.5 and 1.6 homework assignments are due on 07/03/08. However, full credit will be allowed for homework submitted up to seven (7) calendar days after the due date; for example Sections 1.5 and 1.6 homework assignments turned in by 07/10/08 will receive full credit. After seven (7) days, only partial credit will be allowed; for example Sections 1.5 and 1.6 homework assignments received after 07/10/08 will receive only partial credit.

Homework will be returned after the homework grade is recorded. These grades will be entered on a spreadsheet which will be available for the student's review anytime after the class break. Students are encouraged to periodically check the spreadsheet to ensure that their homework grades have been accurately recorded.