PREREQUISITES:
University Prerequisite: C or better in MATH D005 or MATH 102 or MATH D004 or Math placement level 1 or higher. WARNING: No credit for MATH 1200 if taken after MATH 2301. No credit for both MATH 1200 and MATH 1321.

COURSE DESCRIPTION:
Equations, functions and graphs, including linear equations and systems, polynomials, rational and radical expressions, quadratic equations, exponential and logarithmic functions, and inequalities. Students who will not need Math 1200 for their intended majors or as a prerequisite for other classes should consider Math 1090, Math 1250, Math 1260, or another Tier I quantitative skills course instead.

METHODS OF COURSE INSTRUCTION:
All material for this course is print-based. Instructor and students communicate and exchange materials through postal mail.

E-PRINT OPTION:
In this course, an option exists to use e-mail to submit your lesson assignments. Your assignment will be returned to you either as an e-mail attachment or as a hard copy sent through the postal mail, depending on the preferences of the instructor and/or program.

TEXTBOOKS AND SUPPLIES:

NUMBER OF LESSONS:
The course has ten lessons complete with graded assignments and 2 supervised course examinations.
- Lesson 1: Equations, Inequalities, and Problem Solving
- Lesson 2: Polynomials
- Lesson 3: Rational Expressions (6-part lesson)
- Lesson 4: Exponents and Radicals (4-part lesson)
- Lesson 5: Quadratic Equations an Inequalities (3-part lesson)
- Lesson 6: Midcourse Examination Preparation
- Lesson 7: Quadratic Equations and Inequalities (2-part lesson)
- Lesson 8: Quadratic Equations and Inequalities in Two Variables
- Lesson 9: Functions; Graph Functions and Applications; Composition Functions; Finding the Inverse Functions (4-part lesson)
Lesson 10: Systems of Equations; Substitution Method (3-part lesson)
Lesson 11: Exponential and Logarithmic Functions (3-part lesson)
Lesson 12: Final Examination Information

**TYPES OF WRITING ASSIGNMENTS:**

Each lesson contains one or more reading assignment and a writing assignment, which you are to send in for my evaluation. Each writing assignment will ask you to solve 20 or more problems from the textbook. These problems should be worked in detail (showing all your work) so I can follow your line of reasoning in the solution of the problem. As I grade the lesson, I shall write comments on your paper, which, I trust, will help you on future assignments.

I encourage you to do many more problems than are called for in the assignments you mail to me. These extra problems need not be mailed to me unless there is a problem you have not been able to solve and you would like to see a solution.

You will find some writing assignments have parts A, B, C, or D. This was done to permit you the opportunity for working on the written assignment immediately after studying the material. This enables you to get firmly in mind newly learned concepts.

**Please do not send partially completed writing assignments.** Include the entire lesson with a special note of problems (either in the assignment or of your selection) that caused difficulty and for which you desire a solution. In stated problems, I do not send solutions but only hints as to how you should proceed.

**GRADING CRITERIA:**

I prefer you send **one lesson at a time** in order that I might correct them and have them returned to you so my comments will aid you in your presentation of later lessons. If you find your grades on the lessons are low, revise your study habits immediately in order to improve your performance in the course. If you get along well with the lessons, send them as often as you please.

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