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**COURSE DESCRIPTION:**

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

**CLASS REQUIREMENTS:**

1. **Textbook** – Mathematics for College Technology (**Replacement cost \$80**)
2. **Calculators** – Scientific Calculator is necessary for **everyday** use
3. **Materials** –
  - a. Students **MUST** bring their calculator, notebook with paper, pencil, eraser, pen, and ruler to each class
  - b. Notebooks must be a **3-ring binder** with dividers so that handouts can be inserted and assignments removed for marking
4. Be aware of all school policies in the student handbook

**PREREQUISITE:**

Students must have **successfully completed** either MCF3M1 or MCR3U1

**LEARNING SKILLS:**

Works independently, teamwork, organization, work habits, initiative

**ASSESSMENT AND EVALUATION:**

<b>Achievement Chart Category</b>	<b>Weighting</b>	<b>Assessment Strategies</b>
Knowledge & Understanding	30%	• Assignments
Application	30%	• Quizzes
Communication	20%	• Tests
Thinking, Inquiry & Problem Solving	20%	

**FINAL GRADE:**

**Term Work**            **70%**  
**Final Evaluation**    **30% (Culminating Task 10% + Final Exam 20%)**

**TEST POLICY & LATE ASSIGNMENT POLICY:**

Refer to student handbook.