

MCT 4C: Mathematics for College Technology, Gr. 12



Syllabus

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. This course will help a Catholic student to apply effective communication, decision-making, problem-solving, time and resource management skills as well as being able to examine and reflect on their personal values, abilities, and aspirations influencing life's choices and opportunities.

Units

1. Exponential Functions
2. Polynomial Functions
3. Trigonometric Functions
4. Applications of Geometry

“Textbook”

Mathematics for College Technology, 12. McGraw-Hill Ryerson, 2007.

Recommended Materials

Notebook, Pen, Pencil, Scientific Calculator, Geometry Set, Internet Access*

Evaluation

Knowledge / Understanding (K/U): 20%	Communication (C): 15%
Application, Thinking & Inquiry, Problem Solving (ATIPS) : 35%	
Final Exam: 30%	

Classroom Policy / Assignment and Test Guideline

Full document available on the website (see below); outline on reverse of this page.

Contact Information

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