



Father Michael Goetz Secondary School COURSE OUTLINE

COURSE: 12U Math – Calculus and Vectors

Code: MCV4U1

TEXT: Calculus and Vectors

Replacement Cost: \$80.00

UNITS OF STUDY

1. Introduction to Calculus
2. Derivatives
3. Derivatives and their Applications
4. Curve Sketching
5. Derivatives of Exponential and Trigonometric Functions
6. An Introduction to Vectors
7. Applications of Vectors
8. Equations of Lines and Planes
9. Relationships between Points, Lines and Planes

EVALUATION

Knowledge/ Understanding	30%	Term work	70%
Thinking/Inquiry	20%	Final Exam	30%
Communication	20%	TOTAL	100%
Application	30%		
TOTAL	100%		

ASSESSMENT AND EVALUATION POLICY See Student Agenda

HOMEWORK POLICY AND PROCEDURES See Student Agenda

CLASSROOM EXPECTATIONS

Students are to come to class on time and in uniform, prepared to work with all required materials. Students will meet the student expectations outlined in the Student Agenda with regard to behaviour, responsibilities, and respect for self and others. Students are to keep a complete and organized notebook and are responsible for catching up on missed work and obtaining any notes/handouts. Students are responsible for the textbook assigned at the start of the course and are required to pay the replacement cost if it is lost or stolen.

