This course is equivalent to the OAC calculus course and prepares students for
MATH 121 or MATH 126. It is intended for students who have never taken a
calculus course or those who have been away from mathematics for some time.

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Location: JEFF 225

Time: Wednesdays 6:30-9:30PM


Handouts on specific topics not covered by the text will be provided in class.

Prerequisite: Ontario Grade 12 Mathematics or equivalent and permission of the department.

Evaluation: 20% Portfolios
Portfolios are five large assignments due roughly every two weeks. Explicit instructions will be given on the first day of class.

20% Quizzes and Class Participation
There will be both scheduled and unannounced quizzes. The lowest few will be dropped.

10% Homework
Homework will be due every week at the beginning of class. Late assignments will not be accepted. The assignments will be posted on the class web site; no paper copies will be handed out. The lowest mark will be dropped.

50% Final Examination
Topics: Introduction to Functions

Graphs
Average Rate of Change
Polynomials and Rational Functions
Limits
Introduction to Derivatives and Derivation Rules
Increasing/Decreasing Properties, Local Maxima and Minima
One-to-One Functions and Inverses
Exponential Functions and Logarithms
Modeling
Trigonometric Functions
Sequences and Series