



**Lord Byng Secondary School**  
3939 West 16<sup>th</sup> Avenue  
Vancouver BC Canada  
V6R 3C9  
<http://lordbyng.net/math/>

## CALCULUS 12

### **Our Mission**

*At Lord Byng Secondary our goal is to provide a safe learning environment which strives to challenge students' intellectual and creative abilities and enable them to meet their full potential as citizens*

### **Equipment and Materials**

- Notebook
- Graph Paper
- Writing materials
- Straight edge
- Graphing Calculator

<b>Marks for each Term</b>	<b>% of Term</b>
Tests	50
Problem Sets	35
Quizzes	15
Total	100

<b>Final Report</b>	<b>% of Year</b>
Term 1	80
Term 2	
Term 3	
Final exam	20

### **Course Content**

Limits

Derivatives

- Polynomial and Rational Functions
- Trigonometric Functions
- Exponential & Logarithmic Functions

Applications of Derivatives

- Rates
- Optimization/Extreme Value
- Curve Analysis

Exponential Growth and Decay

Antiderivatives

### **Goals**

For the Prescribed Learning Outcomes of this course, please visit

<http://www.bced.gov.bc.ca/irp/math1012/macalc12lo.htm>

**Teacher email:** [DCACCHIONI@VSB.BC.CA](mailto:DCACCHIONI@VSB.BC.CA)

### **Math Contests:**

All information including dates, locations, registration, and previous contest can be found at <http://lordbyng.net/math> under the Contests and Problem Solving section.

Continued on reverse

