

### Curriculum Overview

Calculus 3208 is the fourth (and optional) course in the Advanced Program for High School Mathematics in Newfoundland & Labrador. This course is designed to provide students with an introduction to the fundamental topics generally found in any first year university calculus course. The Advanced Program aims to prepare students to make connections between mathematics and its applications and to become numerate adults, using mathematics to contribute to society. Students who enroll in the Calculus 3208 course will have the option to write the Memorial University Calculus Placement Test (CPT) in June to obtain university credit.

**Prerequisite:** Mathematics 2200

**Co-requisite:** Mathematics 3200

### Authorized Learning Resources

- Curriculum Guide:  
[http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/Calculus/Calculus\\_3208\\_curriculum\\_guide.pdf](http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/Calculus/Calculus_3208_curriculum_guide.pdf)
- Resource List:  
[http://www.ed.gov.nl.ca/edu/k12/curriculum/documents/resourcelists/rl\\_math\\_3208\\_2013.pdf](http://www.ed.gov.nl.ca/edu/k12/curriculum/documents/resourcelists/rl_math_3208_2013.pdf)

### Course Sequence

Unit (Guide)	Categories (Gradebook)	Chapters (Text)	Hours of Instruction (including evaluation)	Category Weighting (Gradebook)
1	Pre-Calculus	1.2 PC: 10.1 - 10.3	5	2.7%
2	Limits & Continuity	1.3 - 1.6, 3.4	20	10.9%
3	Rational Functions	1.6, 3.4 PC: 9.2	6	3.4%
4	The Derivative	2.1 - 2.6	20	10.9%
5	Applications of the Derivative	2.7, 3.1,3.3,3.4,3.5	20	10.9%
6	Calculus of Trigonometry	1.3,1.4,1.6, 2.3 – 2.7 3.5, 5.6	15	8.2%
7	Calculus of Exponential, Logarithmic, and Hyperbolic Trigonometric Functions	5.2 – 5.4,5.7	12	6.5%
8	Anti-differentiation and Integration	3.7, 4.1 – 4.3, 7.1	12	6.5%
	Midyear Exam			10%
	Final Exam			30%

Weightings of assessments within each Unit Based Category can be found [here](#)