

# **Mathematics 2200**

## **Course Description**

### **Level of Instruction: Senior High**

#### **Curriculum Overview**

Advanced Mathematics 2200 is the second course in the Academic/Advanced Program for High School Mathematics in Newfoundland Labrador (It replaces the previous Mathematics 2205 course.) This 2-credit course is a pre-requisite course for Mathematics 3200 (Advanced) and Mathematics 3208 (Introduction to Calculus). This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs. Students who complete the advanced program will be better prepared for programs that require the study of calculus. Both the Academic and Advanced programs aim to prepare students to make connections between mathematics and its applications and to become numerate adults, using mathematics to contribute to society.

#### **Authorized Learning Resource**

**Pre-Calculus 11** (McGraw-Hill Ryerson, 2011)

#### **Unit Break Down**

Unit	Topic and Chapters	Chapters in text	Hours (% of course)	Approx. Completion
1	Trigonometry	2	14 (13%)	Oct. 09
2	Quadratic Functions	3	12 (11%)	Nov. 06
3	Quadratic Equations	4	14 (13%)	Dec. 09
4	Radical Expressions and Equations	5	13 (12%)	Jan. 18
5	Rational Expressions and Equations	6	12 (11%)	Feb. 25
6	Absolute Value and Reciprocal Functions	7	16 (14%)	Apr. 08
7	Systems of Equations	8	8 (7%)	Apr. 22
8	Linear and Quadratic Inequalities	9	8 (7%)	May 06
9	Sequences and Series	1	13 (12%)	Jun. 03

**Assessment:**

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Newfoundland Labrador English School District. While this policy is under review, teachers and students should follow the policy that was in place for their respective former district.

**Assessment and Evaluation Plan for Mathematics 2200**

Tests/Quizzes	30%
Mid-year Exam	15%
Final Exam	35%
Other Forms of Assessment (Could include, but is not limited to, labs, interviews, assignments, portfolio entries, journal entries, presentation, projects, quizzes.	20%

**Note:** All evidence of learning shall be considered when determining a student's final grade. Averaging shall not be used as a sole indicator of a student's level of attainment of the course outcomes.

**Resource Links:**

[Curriculum Guide for Mathematics 2200](#)

[http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/math2200/Math2200\\_Curriculum\\_Guide.pdf](http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/math2200/Math2200_Curriculum_Guide.pdf)

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