Level of Instruction: Senior High

Curriculum Overview

Mathematics 3200 is the third course in the Advanced Program for High School Mathematics in Newfoundland & Labrador. It replaces the previous Mathematics 3205 course. This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of calculus – specifically (but not limited to) the areas of science, mathematics and/or engineering. 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.

Authorized Learning Resource

Pre-Calculus 12 (McGraw Hill Ryerson)

Unit Break Down

Unit	Topic and Chapters	Chapters in text	Hours (% of course)	Approx. Completion
1	Polynomial Functions	3	14 (13%)	
2	Function Transformations	1	11 (10%)	
3	Radical Functions	2	8 (7%)	
4	Trigonometry & the Unit Circle	4	12 (11%)	
5	Trigonometric Functions & Graphs	5	12 (11%)	
6	Trigonometric Identities	6	15 (14%)	
7	Exponential Functions	7	12 (11%)	
8	Logarithmic Functions	8	12 (11%)	
9	Permutations, Combinations & the Binomial Theorem	11	14 (12%)	

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 3200:

Tests/Quizzes	20%
Mid-year Exam	15%
Final Exam *(administered by the Dept. of Education)*	50%
Other Forms of Assessment (Assignments, portfolio, journal, presentation, projects)	15%

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 3200

http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/math3200/Mathematics_3200_Curriculum_Guide.pdf