

Level of Instruction: Senior High

Curriculum Overview

Academic Mathematics 2200 is the second course in the Academic Program for High School Mathematics in Newfoundland Labrador (It replaces the previous Mathematics 2204 course.) This 2-credit course is a pre-requisite course for Mathematics 3201 (Academic). This program is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs. The academic mathematics program is intended to help students make connections between mathematics and its applications and to become numerate adults, using mathematics to contribute to society.

Authorized Learning Resource

Principles of Mathematics 11 (Nelson, 2011)

Unit Break Down

| Unit | Topic and Chapters | Chapters in text | Hours (% of course) | Approx. Completion |
|--|------------------------------------|------------------|---------------------|--------------------|
| 1 | Acute Triangle Trigonometry | 3 | 9 (8%) | Sept. 25 |
| 2 | Radicals | 4 | 18 (17%) | Nov. 4 |
| 3 | Statistical Reasoning | 5 | 12 (11%) | Dec. 3 |
| 4 | Quadratic Functions | 6 | 16 (15%) | Feb. 4 |
| 5 | Quadratic Equations | 7 | 16 (15%) | Mar. 11 |
| 6 | Proportional Reasoning | 8 | 10 (9%) | Apr. 2 |
| 7 | Inductive and Deductive Reasoning | 1 | 10 (9%) | May 1 |
| 8 | Properties of Angles and Triangles | 2 | 13 (12%) | May 29 |
| Mathematics Inquiry* (to be delivered in a time period/manner at the school's discretion) | | | | |