



Course Outline – Secondary 4

Mathematics S.O.

Course Code : 565406

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Competencies

<i>Solves a situational problem</i>	30%
<i>Uses mathematical reasoning</i>	45%
<i>Communicates by using mathematical language</i>	25%

Course Description

This math option focuses on the student's ability for abstract thinking and relies on the formal use of rules and conventions. Students will be presented with situations having a purely mathematical context linked to the pure sciences. Situations where the mathematical theory precedes their application will be the primary focus of study.

Principle Themes

- Algebraic Expressions
- Functions
- System of Equations
- Analytic Geometry
- Similarity and Isometry of Triangles
- Trigonometry
- Two-Variable Correlation

Evaluation

- Learning and Evaluation Situations and Evaluation Situations
- Homework verification
- Quizzes
- Exams
- Tests

Course Materials

- Buzaglo, Chantal and Gérard Buzaglo. **Mathematics 3000 Science Option**. Guérin: Montreal, 2008.