

COURSE: Foundations of Math 11 (FOM11)

INSTRUCTOR

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RECOMMENDED PRE-REQUISITES

Foundations and Pre-Calculus 10

CREDITS

4

OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [FOM11](#)

Big Ideas

[Similar](#) shapes and objects have proportional relationships that can be described, measured, and compared.

[Optimization](#) informs the decision-making process in situations involving extreme values.

[Logical reasoning](#) helps us discover and describe mathematical truths.

Statistical analysis **allows us to notice, wonder about, and answer questions about** [variation](#).

Welcome to Foundations of Mathematics 11(FOM 11)! I look forward to working with you to complete this online course. FOM 11 continues to provide students with the concepts necessary to further their knowledge of secondary Mathematics in BC usually in preparation for further post-secondary studies. Unit lessons present concepts via slides with audio explanations. Practice questions in the course provide problems for students to solve using knowledge gained from preceding lessons and examples. Answers for these practice questions are provided as well as detailed solutions for each one.

The unit content outlined below will provide students with a solid base for further study in Mathematics at the post-secondary level.

Unit 1: Inductive and Deductive Reasoning
Unit 2: Properties of Angles and Triangles
Unit 3: Non-Right Angled Trigonometry
Unit 4: Systems of Linear Inequalities
Midterm

Unit 5: Graphing Quadratic Functions
Unit 6: Scale Models
Unit 7: Applications of Probabilities and Statistics
Unit 8: Graphical Solutions to Systems of Equations
Unit 9: Financial Literacy
Final Exam

ASSESSMENT

Students will have the opportunity to demonstrate their learning through a variety of means such as tests, quizzes, and written assignments.

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REGISTRATION

Please note – vLearn is a District Online School and can only serve students in the SD22 Catchment Area. Grade 8/9 students need approval from their home school administrator to take courses with vLearn. Please use your SD22 email address to register (000000@sd22.bc.ca)



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