

COURSE: Foundations of Math 12 (FOM12)

INSTRUCTOR

Chris Brandle

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Calculus 11**CREDITS**

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OVERVIEW

The Big Ideas, Content, and Curricular Competencies for this course can be found here: [FOM12](#)

Big Ideas

Probabilistic thinking informs decision making in situations involving chance and uncertainty.

Modelling data requires an understanding of a variety of functions.

Mathematical analysis informs financial decisions.

Through explorations of spatial relationships, we can develop a geometrical appreciation of the world around us.

Welcome to Foundations of Mathematics 12 (FOM 12)! I look forward to working with you to complete this online course. FOM 12 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: Finance – Investing Money

Unit 2: Finance – Borrowing Money

Unit 3: Combinatorics

Unit 4: Probability

Midterm

Unit 5: Polynomial Functions

Unit 6: Exponential and Logarithmic Functions

Unit 7: Sinusoidal Functions

Unit 8: Conics

Unit 9: Constructions and Fractals

Final Exam

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ASSESSMENT

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

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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