

Course: Calculus 12

Course Format: Online

Credits: 4

Description: The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies that require the study of theoretical Calculus. This introduction to calculus course is designed to help prepare students for postsecondary calculus by covering some of the main introductory topics found in many post-secondary Calculus courses.

Content Learning Standards:

- Number: concept of the derivative; limits; applications of derivatives; integrals
- Computational Fluency: concept of the integral; application of integrals
- Focus on problem solving
- First Peoples perspectives are reflected throughout the learning standards

Curricular Competency Development Learning Standards:

- Reasoning and analyzing
- Understanding and solving
- Communicating and representing
- Connecting and reflecting

Due to student development of conceptual knowledge and skill set within our Calculus 12 course students should be better prepared for post-secondary Calculus courses.

Recommended Prerequisite: Mathematics 12 Pre-calculus

Resources: Online course materials are provided. Personal computer and internet connection are required (not supplied by SAIL). Please note: online course platform is not fully compatible with tablets or smartphones.

