

Foundations of Mathematics and Pre-calculus 10

This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs. In this course the Foundations stream and Pre-calculus stream are combined, and topics include geometry, measurement, logical reasoning, relations and functions, algebra and number, and trigonometry.

FMP 10 provides instruction that allows students to build mathematical concepts through the use of math labs and engaging multimedia activities and demonstrations. Once students gain a solid understanding of the concepts, they move into progressively more complex problem solving.



The modules are:

Module 1: Measurement and Its Applications

Section 1: Measurement

Section 2: Surface Area and Volume

Section 3: Trigonometry

Module 2: Number, Powers, and Polynomials

Section 1: Roots and Irrationals

Section 2: Radicals and Powers

Section 3: Polynomials

Module 3: Relations and Functions

Section 1: General Relations

Section 2: Slope and Its Applications

Section 3: Linear Functions

Module 4: Linear Equations and Systems

Section 1: Linear Equations and Applications

Section 2: Solving Linear Systems

Section 3: More Linear Systems

The multimedia components contain a number of appealing interactive activities, tutorials and demonstration videos including investigative tools.

FEATURES:

- Addresses all the prescribed learning outcomes in the Ministry of Education's IRP (WMCP 2008)
- Available in print and online formats
- Integrated multimedia offers students a visual and investigative approach to mathematics
- Includes two versions of each module test, which are modeled after the Provincial Exam

SYSTEM REQUIREMENTS:

To make use of multimedia resources requires a modern computer with sound, a CD-ROM drive and Flash Player (free to download from Adobe's website). To take an online course requires all of the above, plus an Internet connection and current web browser.

RESOURCES:

Print students must purchase the textbook Foundations and Pre-calculus Mathematics 10 published by Pearson and the FMP 10 Media CD (required).

The online course is completely self-contained; no textbook is required. Online students with slow internet connections may wish to purchase the FMP 10 Media CD.

Order through our online catalogue: