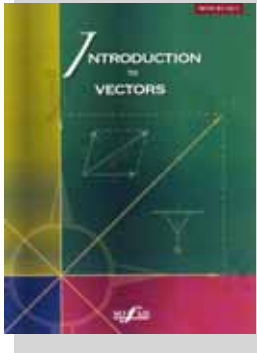


COURSE TITLE	PROGRAM	CODES
Introduction to Vectors	Mathematics	<b>SAGE</b> MTH-5110-1 <b>SÉSAME</b>



### INTRODUCTION

In this course, students will learn about vectors in the plane, algebraic and geometric vectors as well as vector notation and symbols. They will study operations on vectors and their properties: addition, multiplication by a scalar and scalar multiplication of two vectors. They will also be introduced to the formal mathematics pertaining to vectors: linear combination of vectors, vector bases in the plane and the use of vectors to prove the principles of geometry. The main focus of this course, however, is the use of vectors to solve problems.

### CONTENT

- Vector Notation and Symbols
- Vector Addition and Multiplication of a Vector by a Scalar
- Linear Combination of Two Vectors and Scalar Product
- Vectors and Proofs
- Solving Problems Involving Vectors

### TARGET POPULATION

Anyone wishing to complete the equivalent of Mathematics 536 in the youth sector.

### PREREQUISITES

MTH-526

**DURATION** 25 hours

**NUMBER OF CREDITS** 1

**ASSIGNMENTS**

3

**WEIGHTING**

33 1/3%

**CORRECTION TIME**

An estimated 20 minutes for each assignment, including written explanations and comments.

**EVALUATION** A supervised ministerial examination in an adult education centre. Passing mark: 60%.

**MATERIALS****ADULT EDUCATION CENTRES**

<b>CODE</b>	<b>ITEM</b>	<b>PRICE</b>
8-1532-01	Guide Introduction to Vectors MTH-5110-1 (702 p.)	25 \$

**DISTANCE EDUCATION KIT**

<b>SOFAD PRODUCT CODE:</b>	<b>PRICE:</b>
9-1532	33 \$
8-1532-01	Guide Introduction to Vectors MTH-5110-1 (702 p.)
0-1532-50	Assignments B (3) Introduction to Vectors MTH-5110-1

Note : Prices are subject to change at any time. Please visit our web site ([www.sofad.qc.ca/catalogues](http://www.sofad.qc.ca/catalogues)) for current prices.

**REMARKS****PRODUCTION**

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