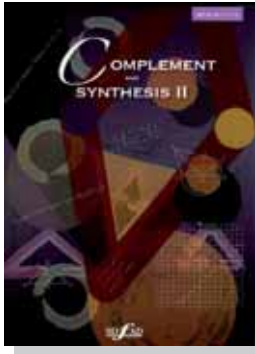


COURSE TITLE	PROGRAM	CODES	
Complement and Synthesis II	Mathematics	<b>SAGE</b> MTH-5111-2	<b>SÉSAME</b>



**INTRODUCTION**

In this course, students will review the functions that were introduced in previous courses). They will then study the composition of functions and the four operations on these functions as well as inequalities in one variable. This course also deals with geometry and summarizes content covered in previous courses. The emphasis is on rigorous reasoning and the ability to make connections among various mathematical concepts.

**CONTENT**

- Operations on Real Functions
- Characteristics of the Function Resulting from an Operation
- Composition of Two Real Functions
- First- and Second-Degree Inequalities in One Variable
- Inequalities Containing Absolute Values and Square Roots
- Solving Problems Containing an Inequality
- Relations Governing Measurements in Triangles
- Relations Governing Measurements in Circles
- Proofs
- Solving Problems Involving Circles and Right Triangles

**TARGET POPULATION**

Anyone wishing to complete the Secondary V mathematics program that is the equivalent of Mathematics 536 in the youth sector.

**PREREQUISITES**

MTH-526

**DURATION** 50 hours

**NUMBER OF CREDITS** 2

**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

CODE	ITEM	PRICE
8-1533-01	Guide Complement and Synthesis II MTH-5111-2 (840 p.)	32 \$

### DISTANCE EDUCATION KIT

<b>SOFAD PRODUCT CODE:</b> 9-1533	<b>PRICE:</b> 40 \$
8-1533-01 Guide Complement and Synthesis II MTH-5111-2 (840 p.)	
0-1533-50 Assignments B (3) Complement and Systhesis II MTH-5111-2	

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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