

COURSE IMPLEMENTATION DATE:	1994
COURSE REVISED IMPLEMENTATION DATE:	Fall 2002
COURSE TO BE REVIEWED:	2006
(Four years after implementation date)	(MONTH YEAR)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.

Shaded headings are subject to change at the discretion of the department and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT:	CCP	
MATH 051		4
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	Fundamental Mathematics I	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This is a beginning mathematics course, which provides instruction in whole numbers (addition, subtraction, multiplication, and division), as well as an introduction to decimals and fractions. Estimation and problem solving are also part of the course. Student learning issues such as "math anxiety" are addressed through individual attention and a variety of instructional approaches. Tutors may be available to help students.

PREREQUISITES: **Individual assessment and permission of the CCP department**
COREQUISITES:

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____

TOTAL HOURS PER TERM:	120	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: _____
Lectures:	Hrs	HOURS PER DAY: _____
Seminar:	Hrs	
Laboratory:	Hrs	
Field Experience:	Hrs	
Student Directed Learning:	Hrs	
Other (Specify):	120 Hrs	
Individual/small group instruction		

MAXIMUM ENROLLMENT:	18
EXPECTED FREQUENCY OF COURSE OFFERINGS:	6 sections/semester (min)
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ CCP Math Working Group	Chairperson: _____ Jean Atkinson, Chair (<i>Curriculum Committee</i>)
Department Head: _____ Trudy Archie	Dean: _____ Karen Evans
PAC Approval in Principle Date: _____	PAC Final Approval Date: December 4, 2002

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

Students will work with whole numbers, decimals and fractions to:

- 1) Develop an understanding of place value.
2. Master estimation and computation with the operations of addition, subtraction, multiplication and division (whole numbers only).
- 3) Learn and apply problem solving skills.
- 4) Apply conceptual knowledge in a variety of contexts, for example, measurement, geometry or data analysis activities.

METHODS:

Methods will vary with instructor but may include: mini lessons, individual assistance, group activities, assignments, demonstrations, group problem solving, math labs, and computer-assisted learning.

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Ministry of Advanced Education, TRaining, and Technology and the Centre for Curriculum and Professional Development. (1993). Fundamental Level Mathematics
Poole, B. (1994). Basic Mathematics
Johnston, C.L., Willis, A.T. & Hughes, G.M. (1994). Developmental Mathematics. Scarborough, Ontario: Nelson Canada
Streeter, J., Bergman, B., Hoesle, L. & Hutchison, D. (2001). Basic Mathematical Skills with Geometry. Toronto: McGraw Hill.
Davidson and Levitov. (2000). Overcoming Math Anxiety. Don Mills, Ontario. Addison-Wesley Longman, Inc.
Bittinger, M.L. (2002). Don Mills, Ontario. Fundamental Mathematics. Addison-Wesley Longman, Inc.
Instructor developed material.

SUPPLIES / MATERIALS:

Supplies and materials will vary but may include:

- metre sticks, measuring tapes, rulers, thermometers, balances, and protractors.
- graph paper
- coloured pencils
- base ten blocks
- basic four function calculators

Students will need to buy a geometry set (ruler, compass, and protractor).

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Weightings will vary with individual instructors but assessment emthods may include: assignments, lab activities, unit tests, and a final examination.

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Whole numbers (review)
Fractions (Introduction)
Decimals (Introduction)