

COURSE IMPLEMENTATION DATE:	1994
COURSE REVISED IMPLEMENTATION DATE:	January 2003
COURSE TO BE REVIEWED:	January 2007
(Four years after implementation date)	(MONTH YEAR format)

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 061		4
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	FUNDAMENTAL MATHEMATICS II	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This is a basic mathematics course which provides instruction in decimals, fractions, proportion, percent, and measurement, as well as an introduction to algebra and geometry. 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. Students will gain the knowledge and skills to be successful at intermediate mathematics.

PREREQUISITES: MATH 051 or individual CCP assessment; and CCP department permission.
COREQUISITES:

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

TOTAL HOURS PER TERM: 120	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:	LENGTH OF COURSE: N/A
Lectures: 40 Hrs	HOURS PER DAY: _____
Seminar: _____ Hrs	
Laboratory: _____ Hrs	
Field Experience: _____ Hrs	
Student Directed Learning: _____ Hrs	
Other (Specify): 80 Hrs	

MAXIMUM ENROLLMENT:	24
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 (<i>Curriculum Committee</i>)
Department Head: _____ Trudy Archie	Dean: _____ Virginia B. Cooke
PAC Approval in Principle Date: _____	PAC Final Approval Date: December 4, 2002

COURSE NAME/NUMBER**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

Students will:

1. Master estimation, computation, and conversions with fractions, mixed numbers, and decimals.
2. Develop competency in applying the concepts of ratio, proportion, and percent in a variety of situations.
3. Develop familiarity with metric units and learn to use measuring instruments and read a scale correctly.
4. Apply conversion methods to convert units within and between metric and imperial systems.
5. Identify basic geometric shapes and find perimeter, area, and volume of squares, rectangles, and cubes (as applicable).
6. Interpret and represent data in the form of tables or graphs.
7. Simplify numerical expressions (which may include positive and negative numbers) using correct order of operations.
8. Become competent at using the functions on a basic calculator.

METHODS:

Methods will vary with the 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:

CCP mathematics assessment test; a student will be placed in the appropriate mathematics course based on the results of the test.

TEXTBOOKS, REFERENCES, MATERIALS:

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

Learning materials will vary with the instructor but may include:

Ministry of Advanced Education, Training, and Technology and the Centre for Curriculum and Professional Development. (1993). Fundamental Level Mathematics

Johnson, 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.
- Colored 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 methods 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)

Decimals

Fractions

Proportion

Percent

Measurement

Algebra (introduction, including integers)

Geometry (introduction)