

COURSE IMPLEMENTATION DATE:	1994
COURSE REVISED IMPLEMENTATION DATE:	May 2008
COURSE TO BE REVIEWED:	March 2011
(Four years after UPAC final approval 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:	<b>College and Career Preparation</b>	
<b>MATH 061</b>		<b>3</b>
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	<b>Fundamental Mathematics II</b>	
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

This basic mathematics course provides instruction in decimals, fractions, proportion, percent, and measurement, and 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.

PREREQUISITES: **Math 051 or CCP department permission (assessment may be required).**  
COREQUISITES:

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

TOTAL HOURS PER TERM:	<b>90</b>	TRAINING DAY-BASED INSTRUCTION	
<b>STRUCTURE OF HOURS:</b>		LENGTH OF COURSE:	_____
Lectures:	<b>30</b> Hrs	HOURS PER DAY:	_____
Seminar:	Hrs		
Laboratory:	Hrs		
Field Experience:	Hrs		
Student Directed Learning:	Hrs		
Other (Specify): Individual/ small group work	<b>60</b> Hrs		

MAXIMUM ENROLLMENT:	<b>24</b>
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Every semester
<b>WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**AUTHORIZATION SIGNATURES:**

Course Designer(s): _____ CCP Math Curriculum Committee	Chairperson: _____ Greg St Hilaire
Department Head: _____ Sue Brigden	Dean: _____ Karen Evans
UPAC Approval in Principle Date: _____	UPAC Final Approval Date: Feb. 1, 2008

**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

Upon successful completion of the course, it is expected that students will be able to:

1. Estimate and compute (add, subtract, multiply, divide) among fractions, mixed numbers, and decimals.
2. Convert among fractions, mixed numbers and decimals.
3. Apply the concepts of ratio, proportion, and percent in a variety of situations.
4. Use metric measuring instruments in a variety of situations.
5. Convert between metric and imperial systems.
6. Identify basic geometric shapes and find perimeter, area, and volume of squares, rectangles, and cubes.
7. Interpret and represent data in the form of tables and graphs.
8. Simplify numerical expression (which may include positive and negative numbers) using the order of operations.
9. Perform basic operations with integers.

**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:**

**TEXTBOOKS, REFERENCES, MATERIALS:**

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

Hutchison, D, Berman, B, & Baratto, S. (2007). Prealgebra: An Integrated Equations Approach (2nd Edition). McGraw-Hill Ryerson.

Instructor-developed material.

**SUPPLIES / MATERIALS:**

A basic four-function calculator and a geometry set (ruler, compass, and protractor) are required.

**STUDENT EVALUATION:**

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

Weightings will vary with individual instructors but assessment methods may include the following:

- |                      |          |
|----------------------|----------|
| 1) Assignments       | 0 - 25%  |
| 2) Quizzes and tests | 25 - 50% |
| 3) Mid-term exam     | 20 - 30% |
| 4) Final exam        | 30 - 40% |

**COURSE CONTENT:**

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

Review of whole number operations

Review of decimal operations

Fractions

Proportion and ratios

Percent

Metric and Imperial systems of measurements

Introduction to integers

Introduction to geometry