



COURSE IMPLEMENTATION DATE: September 2009  
 COURSE REVISED IMPLEMENTATION DATE: March 2013  
 COURSE TO BE REVIEWED: March 2015  
*(six years after UPAC approval)* *(month, year)*

**OFFICIAL UNDERGRADUATE 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 – see course syllabus available from instructor

<b>MATH 063</b>	<b>Upgrading and University Preparation</b>	<b>1.5</b>
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
<b>Fundamental Math IV</b>		
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

This is the last of four basic mathematics courses. At this level, students will be introduced to units of measurement and concepts of geometry. They will also learn to obtain information from statistical graphs. They will be encouraged to use critical thinking skills throughout the course and to set further numeracy goals for themselves at the end of the course.

PREREQUISITES: MATH 062; or UUP Dept. permission  
 COREQUISITES:  
 PRE or COREQUISITES:

<b>SYNONYMOUS COURSE(S):</b>	<b>SERVICE COURSE TO:</b> <i>(department/program)</i>
(a) Replaces: <u>MATH 061</u>	
(b) Cross-listed with: _____	
(c) Cannot take: _____ for further credit	

<b>TOTAL HOURS PER TERM:</b> <u>45</u> <b>STRUCTURE OF HOURS:</b> Lectures: _____ Hrs Seminar: _____ Hrs Laboratory: _____ Hrs Field experience: _____ Hrs Student directed learning: _____ Hrs Other (specify): Individual <u>45</u> Hrs and/or small group work _____	<b>TRAINING DAY-BASED INSTRUCTION:</b> Length of course: _____ Hours per day: _____  <b>OTHER:</b> Maximum enrolment: <u>24</u> Expected frequency of course offerings: <u>Every semester</u> <i>(every semester, annually, every other year, etc.)</i>
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WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)  Yes  No  
 WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)  Yes  No  
 TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:  Yes  No

Course designer(s): <u>Jean Atkinson, Leonne Beebe, Barbara Stirskey, Greg St. Hilaire, Trudy Archie</u>	
Department Head: <u>Trudy Archie</u>	Date approved: <u>February 2009</u>
Supporting area consultation (UPACA1)	Date of meeting: <u>February 6, 2009</u>
Curriculum Committee chair: <u>Anna Kuczynska</u>	Date approved: <u>March 2009</u>
Dean/Associate VP: <u>Sue Brigden</u>	Date approved: <u>March 2009</u>
Undergraduate Education Committee (UEC) approval	Date of meeting: <u>April 26, 2013</u>

**LEARNING OUTCOMES:**

Upon successful completion of this course, students will be able to:

1. recognize, define, and convert basic metric units
2. recognize and convert units of time, using both 12-hour and 24-hour notation
3. measure temperature, length, mass, and capacity using an appropriate measuring device
4. identify and define the geometric shapes: square, rectangle, triangle, and circle
5. determine the perimeter and area of squares and rectangles
6. identify and obtain information from pictographs, bar graphs, histograms, line graphs, and circle graphs

**METHODS:** *(Guest lecturers, presentations, online instruction, field trips, etc.)*

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.

**METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

- Examination(s)                       Portfolio assessment                       Interview(s)
- Other (specify):
- PLAR cannot be awarded for this course for the following reason(s): Not appropriate

**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 (2<sup>nd</sup> Edition).  
McGraw-Hill Ryerson.  
Instructor-developed materials

**SUPPLIES / MATERIALS:**

Scientific Calculator

**STUDENT EVALUATION:**

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

Assignments	15%
Chapter tests	50%
Final Exam	35%

Weightings will vary with individual instructors, but assessment methods may include assignments, lab activities, unit tests, a mid-term examination, and a final examination.

**COURSE CONTENT:**

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

Units of time  
Metric units and metric measurement  
Basic geometry concepts and shapes  
Perimeter and area of squares and rectangles  
Statistical graphs