

COURSE IMPLEMENTATION DATE:  
COURSE REVISED IMPLEMENTATION DATE: January 1997  
COURSE TO BE REVIEWED: January 2001  
(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:	<b>MATHEMATICS</b>	
<b>MATH 085</b>		<b>4</b>
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	<b>Advanced Algebraic Math</b>	
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

This course is intended for students who wish to improve and review their math skills. It continues many topics from Math 084 and introduces functions, quadratic equations and trigonometry. This course, together with Math 084, completes Math 11. It will enable students to enter Provincial Diploma courses (Math 094/095).

**PREREQUISITES:** Math 084 with at least a C, or a C in Applications of Math 11. All other students must write the Math Placement Test including students who have successfully completed Math 11 or Applications of Math 11.

**COREQUISITES:** None

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

TOTAL HOURS PER TERM: <b>75</b>	TRAINING DAY-BASED INSTRUCTION
<b>STRUCTURE OF HOURS:</b>	LENGTH OF COURSE: _____
Lectures: <b>75</b> Hrs	HOURS PER DAY: _____
Seminar: Hrs	
Laboratory: Hrs	
Field Experience: Hrs	
Student Directed Learning: Hrs	
Other (Specify): Hrs	

MAXIMUM ENROLLMENT:	<b>35</b>
EXPECTED FREQUENCY OF COURSE OFFERINGS:	
<b>WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No

**AUTHORIZATION SIGNATURES:**

Course Designer(s): \_\_\_\_\_ Chairperson: \_\_\_\_\_  
J. Cannon/V. Alford (Curriculum Committee)

Department Head: \_\_\_\_\_ Dean: \_\_\_\_\_  
S. Milner W. Welsh

PAC Approval in Principle Date: \_\_\_\_\_ PAC Final Approval Date: November 27, 1996

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

1. To enable students to learn and retain mathematical skills and concepts.
2. To solve a variety of practical problems.
3. To prepare for entry to Math 094 which moves at a more rapid rate. For this reason students must learn to improve their speed and accuracy.

**METHODS:**

Traditional lectures mixed with problem sessions.

**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:]

Intermediate Algebra, 7th ed., by Keedy/Bittinger

**SUPPLIES / MATERIALS:****STUDENT EVALUATION:**

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

Assignments and quizzes	20%
Tests	40%
Final exam	40%

A student must earn at least 40% on the final examination to received credit for the course.

**COURSE CONTENT:**

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

1. Exponents: positive and negative integers rational
2. Equations: linear  
quadratic  
literal
3. Inequalities
4. Applications
5. Polynomials
6. Factoring including cubes and four term grouping
7. Rational expressions and equations
8. Graphing - straight line and quadratics
9. Trigonometry - Law of Sines and Cosines

10. Functions