

COURSE IMPLEMENTATION DATE:	September 2004
COURSE REVISED IMPLEMENTATION DATE:	
COURSE TO BE REVIEWED:	September 2008
(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:	Science, Health & Human Services / Mathematics & Statistics	
MATH 100		1
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	Supplement to Calculus	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This half-semester optional course complements MATH 111 and MATH 115. It provides students with a quick and focused review of the basic mathematical skills that underlie university calculus. Topics will include functions and graphing, algebra, exponents, factoring polynomials, and solving equations. Students who need this course may identify themselves or may be encouraged to enroll in this course after their first test in MATH 111 or MATH 115. Students should check with their advisors as to whether this course counts toward their programs.

Note: Students cannot obtain credit for both MATH 100 and MATH 110.

PREREQUISITES:
COREQUISITES: **Enrollment in MATH 111 or MATH 115**

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

TOTAL HOURS PER TERM: 15	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:	LENGTH OF COURSE: _____
Lectures: 15 Hrs	HOURS PER DAY: _____
Seminar: _____ Hrs	
Laboratory: _____ Hrs	
Field Experience: _____ Hrs	
Student Directed Learning: _____ Hrs	
Other (Specify): _____ Hrs	

MAXIMUM ENROLLMENT:	36
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Fall and Winter semesters
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 type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Math curriculum committee	Chairperson: _____ Peter Mulhern (<i>Curriculum Committee</i>)
Department Head: _____ Gillian Mimmack	Dean: _____ Jackie Snodgrass
PAC Approval in Principle Date: _____	PAC Final Approval Date: February 25, 2004

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

This course is designed as a complementary course to MATH 111 or MATH 115. It will reinforce the basic mathematical skills that are necessary for a successful understanding of university calculus. These are topics that are covered in the high school curriculum, but are provided here for those students who require a review as they proceed with their initial studies in university calculus. It is the aim of this course to increase the success rate of students in first-year calculus.

On completion of the course, the student will be able to:

1. Manipulate fractions correctly;
2. Apply the basic algebraic rules of distribution and association correctly;
3. Apply the rules of exponentiation correctly;
4. Demonstrate an understanding of the concept of function and work effectively with functional notation;
5. Factor polynomials and find roots of polynomials;
6. Solve systems of two linear equations in two variables;
7. Sketch the graphs of basic functions such as polynomials, simple rational functions, exponential functions, and logarithmic functions;
8. Work with the properties of trigonometric functions, including inverse trigonometric functions;
9. Correctly manipulate the absolute value function and inequalities associated with absolute value.

METHODS:

This course will be primarily lecture-based. Evaluation will include frequent homework problems and quizzes.

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:]

There will be no text book for this course.

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

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

Weekly Assignments	20%
Bi-weekly Quizzes	50%
Comprehensive Exam	30%

Course grade will be Credit / No Credit.

COURSE CONTENT:

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

1. Manipulating fractions
2. Basic algebraic rules such as distribution and association
3. Functional notation and the concept of a function
4. Inverse functions
5. Properties of exponential and logarithm functions
6. Factorization of polynomials and finding roots of polynomials
7. Solving systems of linear equations
8. Sketching the graphs of basic functions such as polynomials, simple rational functions, exponential functions, and logarithms

9. Properties of trigonometric functions, including inverse trigonometric functions
10. The absolute value function and associated inequalities