MATHN 600 - Basic Mathematics Course Outline

Approval Date: 04/11/2019
Effective Date: 08/12/2019

SECTION A

Unique ID Number	CCC000606365
Discipline(s)	Special Education
Division	Mathematics
Subject Area	Math-Noncredit
Subject Code	MATHN
Course Number	600
Course Title	Basic Mathematics
TOP Code/SAM Code	493040 - Computational Skills / E - Non-Occupational
Rationale for adding this course to the curriculum	Changing course to non credit.
Cross List	*N/A*
Typical Course Weeks	18

Total Instructional Hours

	Contact Hours
Lecture	0.00 to 0.00
Lab	36.00 to 72.00
Activity	0.00 to 0.00
Work Experience	0.00 to 0.00

Total Contact Hours	36 to 0.00
Open Entry/Open Exit	Yes
Maximum Enrollment	
Grading Option	Non-credit Course
Distance Education Mode of Instruction	On-Campus

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 99 times

Catalog Description Designed for the student for whom traditional mathematics instruction has not been successful. Individualized, self-paced instruction in whole numbers and fractions. Not open to students who have received a Cr or a grade of C or better in other mathematics courses without assessment.

Schedule Description

SECTION D

Condition on Enrollment
1a. Prerequisite(s): *None*
1b. Corequisite(s): *None*
1c. Recommended: *None*
1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information
1. Student Learning Outcomes:
   A. A. Students will demonstrate an increased confidence in their math ability. B. Students will demonstrate a working knowledge of computers and the Internet necessary for completing math modules/units. C. Students will demonstrate a working knowledge of operations with fractions necessary for success in future math classes.
2. Course Objectives: Upon completion of this course, the student will be able to:
   A. A. Add, subtract, multiply and divide whole numbers and fractions.
   B.
3. Course Content
Fractions

-Find the factors of a number and the prime factorization of a number

-Find the greatest common factor of a group of numbers

-Identify proper and improper fractions (and mixed numbers)

-Write improper fractions and mexed numbers/whole numbers and write mixed numbers and improper fractions/whole numbers

-Simplify fractions and build fractions

-Interpet and find equivalent fractions and compare fractions

-Multiply and divide fractions

-Operate with mixed fractions

-Simplify complex fractions

-Solve word problems involving fractions

4. Methods of Instruction:

Lab: Students use a computer during class time. Math concepts are presented in this multi-media format and students also work practice problems in the same interactive format.
Lecture: Group lectures- instructor will give mini lectures on math topics covered in math modules. These lectures make only a portion of class time. Individualized tutoring-As students work on their math (computer and hand written assignments), the instructor and instructional assistants will tutor individual students or small group of students on a difficult math concept, as needed.

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Exams/Tests -- Chapter quizzes will be given throughout each lesson in a module of instruction. Module exams will be given after each lesson in a module of instruction.

Non-credit Course

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments
    Students will read examples and explanations from the text and from the computer presentation.
B. Writing Assignments
    Students are required to complete practice exercises on the math skills in assigned modules.
C. Other Assignments
D.

7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:
Author: Goetz, Brian/Smith, Graham/Tobey, John
Title: Basic Mathematics
Publisher: Pearson
Date of Publication: 2011
Edition:

B. Other required materials/supplies.

8. CB Codes

CB04 Credit Status: N - Noncredit

CB08 Basic Skills Status:	B - Basic Skills
CB10 Course COOP Work Exp-ED:	NCOOP = Not part of Coop Work Exp
CB11 Course Classification Status:	K = Other Noncredit Enhanced Funding
CB13 Special Class Status:	S - Approved Special Class for Disabled Students
CB21 Prior Transfer Level:	C - Three levels below transfer
CB22 Noncredit Category:	C - Elementary and Secondary Basic Skills
CB23 Funding Agency Category:	Y - Not Applicable
CB24-Program Course Status:	2 = Stand-alone