MATHNC 600 - Basic Math Course Outline
Approval Date:
Effective Date:

SECTION A
Unique ID Number
Discipline(s) Special Education
Division Science, Mathematics and Engineering
Subject Area Math-Noncredit
Subject Code MATHN
Course Number 600
Course Title Basic Math
TOP Code/SAM Code 493040 - Computational Skills / E - Non-Occupational

Rationale for adding this course to the curriculum Changing course to non credit.
Semester Hours 0
This Course Is N/A
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

Hours per semester in outside of class assignments 0.00
to 0

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 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.

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. 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.

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 mixed numbers/whole numbers and write mixed numbers and improper fractions/whole numbers
   - Simplify fractions and build fractions
   - Interpret 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

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