BUTTE COLLEGE
COURSE OUTLINE

I. CATALOG DESCRIPTION

DSPS 206 - Fundamentals of Math   **3 Unit(s)**

Prerequisite(s): NONE
Limitation on Enrollment: Registered with DSPS or Permission of Instructor
Recommended Prep: NONE
Transfer Status: NT
51 hours Lecture

This math course is designed for students with intellectual disabilities. Each student will be assessed at the beginning of the course and will be provided math instruction that is closely supervised and individualized based on the results of the assessment.

II. OBJECTIVES

Upon successful completion of this course, the student will be able to:
  A. Demonstrate knowledge of addition facts.
  B. Perform addition problems with and without carrying.
  C. Demonstrate knowledge of subtraction facts.
  D. Solve subtraction problems with and without borrowing.
  E. Demonstrate knowledge of multiplication tables.
  F. Perform multiplication problems with 1 to 3 multipliers.
  G. Demonstrate knowledge of division facts.
  H. Solve division problems with 1 and 2 divisors.
  I. Perform fraction problems.
  J. Perform decimal problems.
  K. Solve percent problems.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Topics and hours will be determined by assessment and a student's personal math plan

Lecture

Topics		Hours
1.	Assessment	6.00
2.	Addition	9.00
3.	Subtraction	9.00
4.	Multiplication	9.00
5.	Division	9.00
6.	Fractions	3.00
7.	Decimals	3.00
8.	Percents	3.00
Total Hours		51.00

IV. **METHODS OF INSTRUCTION**
      A. Lecture
      B. Demonstrations
      C. Independent Modules
      D. Facilitated Class Activities

V. **METHODS OF EVALUATION**
      A. Exams/Tests
      B. Quizzes
      C. Homework
      D. Class participation
      E. Written Examinations
      F. Mid-term and final examinations
      G. Completion of assignments
      H. Demonstrated basic skills competence in math
      I. Learning Plan

VI. **EXAMPLES OF ASSIGNMENTS**
      A. Reading Assignments
          1. Read word problems 1-5 and identify whether you need to add, subtract or multiply.
          2. Read the directions regarding solving simple math problems on page 55 of your book and explain to the instructor the mathematical order of operations for problems 1-5.
      B. Writing Assignments
          1. Work fraction problems on worksheet. Remember common denominators. Show your work.
          2. Read the directions on page 55 of your workbook regarding solving simple math problems. Write your answers to each problem showing the mathematical order to solve the problem.
      C. Out-of-Class Assignments
          1. Follow directions to do division without remainders on page 23.
          2. Do the worksheet, Addition With Carrying, problems 1-15. Show your work.

VII. **RECOMMENDED MATERIALS OF INSTRUCTION**
    Materials Other Than Textbooks:
      A. Workbook assigned by instructor. Supplemental math and worksheets provided by instructor.

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