San Bernardino Valley College
Curriculum Approved: February 2, 2004
Last Updated: January 2004

I. COURSE DESCRIPTION:

A. Department Information:

Division:	Student Support
Department:	DSPS
Course ID:	SDEV 905
Course Title:	Supportive Learning in Mathematics
Units:	1
Lecture:	None
Laboratory:	3 Hours
Prerequisite:	None

B. Catalog and Schedule Description: Course provides specialized instruction and tutoring to individuals and small groups in basic mathematics. Although this course is designed for students with disabilities as certified through diagnostic testing, all students are welcome to enroll. Support strategies to minimize the effects of the disability in the academic setting are presented to maximize students' effectiveness in mainstream classes. Graded on a credit/no-credit basis only. (formerly HUMDV 905)

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: One

III. EXPECTED OUTCOMES FOR STUDENTS:

After successful completion of the course, students should be able to:

A. Employ compensatory strategies for educational limitations in mainstream classes
B. Develop a "math learning profile" of strengths/weaknesses
C. Demonstrate ability to integrate concept imagery and numerical imagery with language and apply to math computation and problem solving

IV. COURSE CONTENT:

A. What you need to know to study math
   1. Why learning math is different from learning other subjects.
   2. Difference between high school and college math
B. Understanding your current level of math study skills
   1. Strengths
   2. Weaknesses
C. Strategies to overcome educational limitations
   1. Visual processing skills
   2. Auditory processing skills
   3. Manipulatives
   4. Compensatory techniques

V. METHODS OF INSTRUCTION:

A. Lecture
B. Demonstration
C. Class discussion
D. Multi-media

VI. TYPICAL ASSIGNMENTS:

A. Complete the Math Study Skills Evaluation in Winning at Math. Score your evaluation to determine your current level of math study skills.
B. Read Chapter on "What you Need to Know to Study Math" and answer the following question: Why is math considered to have a sequential learning pattern?
C. Read the chapter "10 Ways to Improve Your Memory." Write a one page report on how you can enhance your performance on math exams by utilizing the suggested mnemonic strategies.

VII. EVALUATION:

A. Methods of Evaluation
   1. Class participation
   2. Math Study Skills Evaluation
   3. Chapter assignments

B. Frequency of Evaluation
   1. Weekly assignments
   2. Final review of pre- and post course Math Study Skills Evaluations

VIII. TYPICAL TEXT(S):

Nolting, P.D. Winning at Math: Your Guide to Learning Mathematics Through Successful Study Skills. Academic Success Press, 1997.

IX. OTHER SUPPLIES REQUIRED: None