IMPERIAL COMMUNITY COLLEGE DISTRICT
IMPERIAL VALLEY COLLEGE
COURSE OUTLINE

DIVISION: Science, Mathematics and Engineering **DATE:** February 2001

COURSE TITLE: Math Study Skills **COURSE NO.:** Math 040 **UNITS:** 1

LEC HRS. _____ **LAB HRS.** _____ **HRS. TBA** 18 per semester

If cross-referenced, please complete the following

COURSE NO.(s) _____ **COURSE TITLE** _____

I. COURSE/CATALOG DESCRIPTION:

A course designed to help students overcome obstacles which affect success in mathematics courses. Topics include; reducing math anxiety, improving math test taking skills, refining listening and note-taking skills. Course for credit/no credit only.

II. A. PREREQUISITES, if any:

None

B. COREQUISITES, if any:

None

C. RECOMMENDED PREPARATION, if any:

Concurrent enrollment in a math course

III. GRADING CRITERIA:

_____ Course must be taken on a "letter-grade" basis only.

_____ Course may be taken on a "credit" basis or for a letter grade.

X Course must be taken on a "credit" basis only.

IV. MEASURABLE COURSE OBJECTIVES AND MINIMUM STANDARDS FOR GRADE OF "C":

1. The student will demonstrate knowledge about the differences in learning math to other subjects.
2. The student will develop a math learning profile showing the student's strengths and weaknesses.
3. The student will outline techniques aimed at minimizing procrastination and developing self-esteem.
4. The student will demonstrate knowledge about developing weekly study schedules.
5. The student will compare and contrast effective listening and note-taking skills.
6. The student will list techniques for doing homework using a calculator, and solving word problems.
7. The student will demonstrate knowledge about the attributes effective study environments.
8. The student will demonstrate knowledge on how short-term and long-term memory affects what one can remember.
9. The student will identify the different causes and types of test anxiety.
10. The student will outline the ten steps to improve test taking skills.

V. CORE CONTENT TO BE COVERED IN ALL SECTIONS:

	CORE CONTENT	APPROX. % OF COURSE
1.	What you need to know to study math	5%
2.	How to discover math-learning strengths and weaknesses	5%
3.	How to take control and learn math	10%
4.	How to fit study time into a busy schedule	5%
5.	How to improve listening and note-taking skills	10%
6.	How to improve reading and homework techniques	10%
7.	How to create a positive study environment	10%
8.	How to remember what you learn	15%
9.	How to reduce math test anxiety	15%
10.	How to improve your test-taking skills.	15%

VI. METHOD OF EVALUATION TO DETERMINE IF OBJECTIVES HAVE BEEN MET BY STUDENTS: (check all that apply)

Essay	X	**Class Activity**	X	**Written Assignments**	X
Problem Solving Exercise	X	**Final Exam**	X	**Oral Assignments**	X
Skill Demonstration	X	**Objective**	X	**Quizzes**	X

Other X - computer assignments

VII. INSTRUCTIONAL METHODOLOGY: (Check all that apply)

Lecture	X	**Discussion**	X	**Demonstration**	X
Audio Visual	X	**Group Activity**	X	**Lab Activity**	X
Computer Assisted Instruction	X	**Individual Assistance**	X	**Simulation/ Case Study**	X

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit. _____

Other

VIII. TEXTBOOK(S) AND SUPPLEMENT(S):

Nolting, Paul. *Winning at Math*. 3rd Edition. Bradenton, FL: Academic Success Press, Inc., 1997.

Nolting Paul. *Math Study Skills Workbook*. Boston: Houghton-Mifflin, 2000.