IMPERIAL COMMUNITY COLLEGE DISTRICT
IMPERIAL VALLEY COLLEGE
COURSE OUTLINE

DIVISION: Science, Mathematics, and Engineering   **DATE:** October 2004

COURSE TITLE: MATH LAB   **COURSE NO.**   MATH 060   **UNITS:**   1

          LEC HRS.   **LAB HRS.**   2   **HRS. TBA**

   If cross-referenced, please complete the following

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

I.   COURSE/CATALOG DESCRIPTION:
   A laboratory where students work on material that accompanies the remedial mathematics course in which they are enrolled. Involves individualized instruction and use of media and computers. This course is offered on a Credit/No Credit basis. The 36 required hours must be undertaken in the Math Lab. Maximum credit 4 units.

II.   A.   PREREQUISITES, if any:

   B.   COREQUISITES, if any:

   C.   RECOMMENDED PREPARATION, if any:

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":

   Student will be able to:

   1.   Student will demonstrate the ability to categorize real numbers.
   2.   Student will demonstrate the ability to perform operations with real numbers.
   3.   Student will demonstrate the ability to perform operations with expressions.
   4.   Student will demonstrate the ability to solve different types of equations.
   5.   Student will identify basic geometric figures.
   6.   Student will demonstrate the ability to find area, perimeter, and volume of basic geometric figures.

Note: The degree of difficulty of these objectives will be matched to the mathematics class in which the Math 060AD student is registered.

V. CORE CONTENT TO BE COVERED IN ALL SECTIONS:

CORE CONTENT	APPROX. % OF COURSE
1. Integers, rational numbers, irrational numbers, natural numbers, and whole numbers.	
2. Order of operations, rules for operations with signed numbers, least common denominator, operations with fractions.	
3. Variables, polynomials, rational expressions, radical expressions, exponential and logarithmic expressions.	
4. Solving linear, quadratic, rational, radical, exponential and logarithmic equations.	
5. Circle, square, rectangle, trapezoid, cylinder, cone, cube, and rectangular solid.	
6. Area and perimeter of circle, square, and rectangle, and volume of cube and rectangular solid.	
Note: The percentage of time spent on each core content will vary according to the mathematics class taken and the student's need.	
TOTAL	

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

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

Other: Math Lab documentation verifying minimum of 36 hours of lab attendance.

VII. INSTRUCTIONAL METHODOLOGY: (Check all that apply)

Lecture _____	**Discussion** ___X___	**Demonstration** ___X___
Audio Visual ___X___	**Group Activity** ___X___	**Lab Activity** ___X___
Computer Assisted Instruction ___X___	**IndividualSimulation/ Assistance** ___X___	**Case Study** _____

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):

None.