SYLLABUS

DIVISION: Business and Engineering Technology   **REVISED:** Spring 2014

CURRICULA IN WHICH COURSE IS TAUGHT: Building Trades Technology

COURSE NUMBER AND TITLE: BLD 120 Applications of Construction Math

CREDIT HOURS: 3 **HOURS/WK LEC:** 3 **HOURS/WK LAB:** 0 **LEC/LAB COMB:** 3

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I.   CATALOG DESCRIPTION: Provides a foundation in mathematics with an emphasis in arithmetic and geometry. Directs applications to the area of construction.

II.   RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES: Upon completion of the course, students will be significantly better prepared to perform the mathematical calculations necessary for the construction industry.

III.   REQUIRED BACKGROUND/PREREQUISTIES: None

IV.   COURSE CONTENT:

       A. Whole numbers
       B. Fractions
       C. Decimals
       D. Perimeters
       E. Area
       F. Volume

V.   THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS COURSE (Place X by all that apply)

_____**x**_____Communications   _____Cultural and Social Understanding

_____**x**_____Critical Thinking   ——**x**   Quantitative Reasoning

___**x**_____Personal Development   ———   Scientific Reasoning

_____Information Literacy

VI.   LEARNER OUTCOMES

VII.   EVALUATION

Learner outcomes	Evaluation method
• Make accurate calculations necessary for residential construction.	Classroom exercises Written test Exam