SECTION HEADING

CRPT 1180: Construction Math

Description

Construction Math establishes the mathematical skills necessary for estimating materials, performing necessary calculations and conversions necessary for interior and exterior work. Application on linear, square and cubic measurements and their relationship to the construction trades process will be studied.

Credits

1

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Concepts of estimating

2. Geometric quantities, figures and relationships

3. Analyze construction documents to be calculated.

Learning Outcomes

1. Solve equations to perform necessary estimating functions and job site calculations.

2. Work with U.S. and metric units of measurement.

3. Apply problem-solving strategies to real-life scenarios.

4. Solve problems related to geometric, algebraic and arithmetic functions.

5. Solve triangles using right-angle trigonometry in relation to interior and exterior projects.

Credit Details

Lecture: 1

Lab: 0

OJT: 0

MnTC Goal Area(s): None