

Virginia Western Community College

BLD 231

Construction Estimating

Prerequisites

BLD 111

Course Description

Focuses on materials take-off and computing quantities from working drawings and specifications. Includes methods for computing quantities of concrete, steel, masonry, roofing, excavation. Deals with pricing building components, materials and processes, as well as transportation and handling costs, mark-up discount procedures, equipment cost and labor rates.

Semester Credits: 3 Lecture Hours: 3 Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

Fundamentals of Construction Estimating. 4th Edition. David Pratt. Cengage. ISBN: 978-1-337-39939-5

Other Required Materials:

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Course Outcomes

- Comprehend quantity take off of excavation, concrete, masonry, wood, steel, roofing, related building components, and develop an understanding of methods of estimating costs.

Topical Description

- Estimating excavation
- Estimating Concrete construction
- Estimating masonry materials
- Estimating wood products
- Estimating structural steel
- Estimating roofing materials
- Estimating required building components

Notes to Instructors

- None.