

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:

Estimating in Building Construction. 10th Edition. Steven J. Peterson. Pearson. ISBN: 978-0138094874

Other Required Materials:

None

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.
- Understand the importance of estimating to the success of any construction project and have a job ready understanding of all phases of estimating including take-offs, materials, labor, sub-contracts, contingencies, overhead and profit.

Topical Description

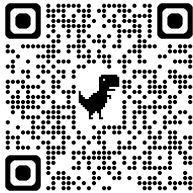
- Estimating excavation
- Estimating Concrete construction
- Estimating masonry materials
- Estimating wood products
- Estimating structural steel
- Estimating roofing materials
- Estimating required building components

Notes to Instructors

- None.

VWCC LINKS:

- Disability Services: [Office of Disability Services](#)



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- Title IX Statement : [Title IX Policy](#)



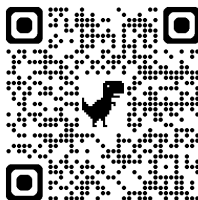
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- Course Outline: [Course Outline](#)



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- Academic Calendar: [Academic Calendar](#)



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