Learning Objectives

You’ll be able to:

Identify the purposes of and methodologies for different cost estimates such as design, bid and control estimates.

Utilize data resources and CSI MasterFormat to create estimates.

Estimate labor, equipment costs, overhead and profit.

Participate in a group estimating exercise for excavation, concrete and masonry.

Use industry standard software to estimate construction costs.

Producing Different Types of Cost Estimates
Purposes of and methodologies for cost estimates
- Design estimate
- Bid estimate
- Control estimate

Construction Estimating Resources and Processes
Estimating team
Estimating process
Data resources
CSI Masterformat

Estimating Labor, Equipment, Overhead and Profit
Estimating labor costs
Estimating for construction equipment costs
Estimating overhead costs
Estimating profit

Analyzing Risk, Managing Subcontractors, and Human Interaction as part of the Estimating Process
Estimators as risk identifiers and mitigators
Soliciting, receiving, and reviewing subcontractor and vendor quotes
How human nature impacts our work as estimators

Group Estimating Exercises
Work together in teams to estimate the costs of different components of a single construction project; teams will perform quantity takeoffs and develop cost estimates for excavation, concrete footers, and masonry walls

Using Construction Estimating Software
Review of industry-standard software for quantity takeoffs of one, two, and three-dimensional units
PDF creation and manipulation
Spreadsheet-based cost estimating templates

Understand the methodologies for different types of cost estimates
Explore construction estimating resources and processes
Learn how to estimate labor, materials, overhead and profit
Manage subcontracts and risk as part of the estimating process
Review construction cost estimating software and participate in a hands-on cost estimating exercise

Construction Cost Estimating
East Lansing, MI - Friday, December 14, 2018

Presented by Daniel Frondorf

Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278
NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016
Faculty

Daniel Frondorf  DG Frondorf and Associates LLC, Cincinnati

Mr. Frondorf owns and operates Cincinnati-based DG Frondorf and Associates LLC, a construction cost estimating consulting firm. He is a member of a Consulting Estimators Round Table (CERT), AACE, and the American Society of Professional Estimators (ASPE), and he has 22 years of service as a construction estimator. He has presented several seminars on estimating practices and ethical bidding topics to trade associations and at industry events.

Mr. Frondorf is also a past instructor of Construction Estimating at the University of Cincinnati and has guest lectured there and at Cincinnati State Technical and Community College. He has also written several articles on estimating-related topics in Estimating Today and Design Cost Data magazines.

Webinar Series

Geothermal Heating and Cooling  • Thermodynamic Basics of Geothermal Systems Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT  • Understanding Earth Loop Systems Thurs., Nov. 8, 2018, 11:00 AM - 12:00 PM CDT  • Choosing and Designing Geothermal Systems Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT  • Evaluating and Maintaining Geothermal Systems Fri., Nov. 9, 2018, 11:00 AM - 12:00 PM CDT

Cogeneration System Principles and Practice  • Understanding the Benefits of Cogeneration Thurs., Nov. 8, 2018, 11:00 AM - 12:00 PM CDT  • Laws, Regulations and Building Codes Impacting Cogeneration Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CDT  • Examining Cogeneration Technologies Fri., Nov. 9, 2018, 11:00 AM - 12:00 PM CDT  • Moving to Cogeneration: Analysis, Modeling and Case Studies Fri., Nov. 9, 2018, 1:00 - 2:30 PM CDT

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to pre-approval in Michigan.

This course has been approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. 14855). Only full attendance can be reported for this AIA Continuing Education credit.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. J885). Only full attendance can be reported to the AIA. This course has been approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. 14855). Only full attendance can be reported for this AIA Continuing Education credit.

Shallow Foundation Design and Construction  • Evaluating Building Sites Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CDT  • Shallow Foundation Design Wed., Nov. 14, 2018, 1:00 - 2:30 PM CDT  • Special Considerations in Foundation Design and Construction Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CDT  • Soil Improvement and Foundation Diagnosis and Repair Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CDT

Roadway Design  • Roadway Design Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CDT  • Roadway Design Process Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CDT  • Typical Roadway Sections and Alignment Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CDT  • Intersections, Drainage and Pedestrian-Bicycle Facilities Fri., Nov. 30, 2018, 2:00 - 5:30 PM CDT

Can’t Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for $289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Tuition

$279 for individual registration

$259 for three or more simultaneous registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of $101 by registering to be our on-site coordinator for the day.

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Additional Learning

Seminar Information

Marriott at University Place

300 Michigan Agricultural College Avenue

East Lansing, MI 48823

(517) 337-4440

Registration  8:00 - 8:30 am  Morning Session  8:30 am - 12:00 pm  Afternoon Session  1:00 - 4:30 pm

Continuing Education Credit Information

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Tuition

( ) I will be attending the live seminar. Single Registrant - $279.00. Three or more registrants from the same company registering at the same time - $259.00 each.

( ) I am not attending. Please send me the CD manual package for $289.00. (Tax included. Please allow five weeks from seminar date for delivery)

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