Learning Objectives

You’ll be able to:

Analyze the methodologies for creating design estimates, bid estimates and control estimates.

Examine estimating resources, including the estimating team, data resources, and CSI MasterFormat.

Estimate labor costs, construction equipment costs, overhead costs, and profit.

Calculate costs of earthwork, pavements, concrete, steel, roofing, interiors, plumbing, and electrical systems.

Review industry standard estimating software.

Examining the production of design estimates, bid estimates and control estimates.

Review construction estimating resources and processes.

Explore construction estimating software.

producing different types of cost estimates
Marcene Taylor, G. Beckstead

- Design estimate
- Bid estimate
- Control estimate

Construction estimating resources and processes
Marcene Taylor, G. Beckstead

Estimating team
Estimating process
Data resources
CSI Master Format

Estimating labor, equipment, overhead and profit
Marcene Taylor, G. Beckstead

Estimating labor costs
Estimating for construction equipment costs
Estimating overhead costs
Estimating profit

Estimating construction materials and services
Marcene Taylor, G. Beckstead

Earthwork and excavation
Pavements
Concrete structures
Wood structures
Steel structures
Masonry
Floors
Roofing
Interiors
Finishes

Estimating mechanical, electrical and plumbing
Phil Capell, Brent Wright

Plumbing
Electrical systems
Mechanical systems

Using construction estimating software
Marcene Taylor, G. Beckstead

Review of industry-standard software

Construction Cost Estimating
Salt Lake City, UT - Tuesday, January 16, 2018

Discuss the production of design estimates, bid estimates and control estimates.

Review construction estimating resources and processes.

Estimate labor, construction equipment, overhead, and profit.

Prepare take-offs for earthwork, pavement, concrete, wood, steel, floors and roofs.

Explore construction estimating software.

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours

6.5 AIA HSW Learning Units

Contractors
Non-Credit Continuing Education
Faculty

Marcene Taylor, CPE - President at Marcene Taylor Inc.
Ms. Taylor is a specialist in conceptual cost estimating.

Phil Capell, CPE - Vice President/Owner at GSL Electric Inc.
Mr. Capell specializes in electrical cost estimating. He is a journeyman electrician, president of the Salt Lake Chapter of the American Society of Professional Estimators, and a vice president at GSL Electric. Currently, Capell is operating manager of Pre Construction Services. Mr. Capell began his career as an apprentice-electrician working for H&J Electric from 1998-2002. In August of 2002, he began working for GSL Electric as an estimator. From 2006-2008, he worked as a project manager for GSL Electric, managing a wide range of projects, including small commercial, large industrial, and replacement projects, at Kennecott and Barrick mines, water and waste water projects, and deep and surface food processing facilities. Mr. Capell has an associates degree in Construction Management as well as a bachelors degree in Electrical Management from Utah Valley University. He completed his electrical apprenticeship at Utah Valley University through the program currently run by Jaymum; Kramer the states of Utah and Wyoming. He is a certified professional estimator. Mr. Capell oversees all hard bid estimating for many of the architectures he estimates in the Utah area, as well as about the entire United States and the world. His expertise include LEED costing for all types of construction, cost estimations for pre-construction through final bid for owners and architectural firms, program cost opinions, detailed cost opinions using CSI breakdown, cost control, value engineering and many more.

Brent Wright, CPE - Lead Estimator at GSL Electric Inc.
Mr. Wright is a certified professional estimator (CPE), subject matter serving, as vice president of Chapter 01 (Salt Lake City) of the American Society of Professional Estimators. He began his construction engineering as a young carpenter, working during the summers for MK Construction as a framer and finish carpenter. During his time, he also learned how to pour concrete, and he was soon overseeing the operations for a concrete construction company that specialized in foundations, footings, and machinery. Mr. Wright also learned to operate slip form and paving machinery and worked in the 1-5 reconstruction project until 2002. Before starting his career as an electrician in 2005, Mr. Wright was a superintendent for a custom home builder. He completed all four years of electrical apprenticeship training with the IUCC. He wrote an article that was published in Estimating Today, “How to Estimate the Cost of an Emergency Back Up System in a Hospital.” Mr. Wright began his estimating career as a junior estimator at GSL in 2006. In 2008, he became a lead estimator. While at GSL, he prepares RFPs, completes cost proposals for commercial and industrial electrical projects. He became a certified professional estimator (CPE) in 2015. Currently Mr. Wright is acting as a lead estimator bidding a wide variety of electrical projects throughout the Western United States. As well as being responsible for completing the bid file, ensuring the completeness and accuracy of his bids, he also trains and mentors younger estimators.

Glen Beckstead, Owner/Chief Estimator at Conceptual Cost Estimating in Salt Lake City.
Mr. Beckstead has been a cost estimator in the Salt Lake area for over forty years. In that time, his experience spans almost every type and size of construction project, from the renovation of the Salt Lake Temple to the construction of the 37 billion dollars of construction. He has provided cost consulting for many of the projects in the Utah area as well as throughout the United States and the world. His expertise include LEED costing for all types of construction, cost estimations for pre-construction through final bid for owners and architectural firms, program cost opinions, detailed cost opinions using CSI methodology, cost control, value engineering and many more.

Seminar Information

Marriott University Park
480 Wakara Way
Salt Lake City, UT 84108
(801) 581-1000

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Registration</th>
<th>Morning Session</th>
<th>Lunch (On your own)</th>
<th>Afternoon Session</th>
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</thead>
<tbody>
<tr>
<td>$279 for individual registration</td>
<td>$259 for three or more registrations</td>
<td>8:00 - 8:15 am</td>
<td>8:30 am - 12:00 pm</td>
<td>12:00 - 1:00 pm</td>
</tr>
<tr>
<td>$259 for three or more registrations</td>
<td>Each registration includes a complimentary continental breakfast and printed seminar manual.</td>
<td>1:00 - 4:30 pm</td>
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<td>12:00 - 1:00 pm</td>
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</tbody>
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- Lunch (On your own):
- 12:00 - 1:00 pm
- Afternoon Session:
- 1:00 - 4:30 pm

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, excluding Florida architects. Educators and courses are pre-approved in all states that meet the pre-requisite.

Attendees will be monitored and reported, as required. Attendance certificates will be available after the seminar for all attendees who have completed the seminar.

How to Register
- Visit our online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-0666
- Call customer service at 715-835-5900

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.

Seminar Registration
- Cost Estimating Construction
- Salt Lake City, UT - Tuesday, January 16, 2018
- How to Register
  - Online: www.halfmoonseminars.org
  - Phone: 715-835-5900
  - Fax: 715-835-6066
- Additional Registrants:
  - Name: Occupation: Phone: Email: Fax:
- Additional Learning
  - Webinar Series:
    - Seismic Design and Construction
    - Webinar Series
      - Seismic Design and Building Codes
        - Wednesday, Dec. 27, 2017, 1:00 PM - 3:00 PM CST
      - Seismic Design of Building Structures
        - Thursday, Dec. 28, 2017, 11:00 AM - 3:30 PM CST
      - The Distributed Battery Webinar, Part I
        - Friday, Dec. 29, 2017, 11:00 AM - 2:15 PM CST
  - The Distributed Battery Webinar, Part II
    - Friday, Dec. 22, 2017, 11:00 AM - 2:15 PM CST
- For more information visit: www.halfmoonseminars.org/webinars

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