Construction Cost Estimating
Secaucus, NJ - Wednesday, December 11, 2019

Learn about different types of estimates for different project design stages.
Get tips on estimating labor costs, overhead, and profit.
Produce quantity take-offs for components including site work, concrete, metals, wood, doors and windows.
Explore the relationship between estimating and project scheduling.

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at $269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

You'll be able to:
Use project documents and plans to extract information for producing accurate estimates for project owners.
Provide quantity take-offs and pricing for specific components, such as site work, concrete, metals, wood, doors, windows, thermal protection systems and mechanical systems.
Estimate labor costs for construction, and review breakdowns of hourly wage rates.
Estimate the costs of bonding and insurance that will protect the project owner from shoddy work, non-completion of the product, and construction-related damages.

Learning Objectives

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Agenda
Presented by
Ha Yeung (Henry) Yu, P.E., P. Eng., PMP, LEED Green Associate, CTS

Introduction to Cost Estimating
Classifications of estimates and respective project design stages
Direct and indirect costs

Basis of Estimates
Project documents and significance for estimating
Blueprint reading skills (scales and projection of views)

Cost Components – A Closer Look at Estimates
Concept of labor time and labor cost estimation
Breakdown of labor hourly wage rates (open shop vs. prevailing)
Overhead and profit
Inflation
Bonding and insurance

Organization of Estimates and Examples
CSI master format
Cost summaries – an overview

Cost Estimate Examples – Quantity Take-offs and Pricing
General requirements
Site work: Concrete
Masonry: Metals
Wood and plastics
Thermal and moisture protection
Doors and windows
Mechanical: Electrical

Other Related Topics
Value engineering
Project scheduling and relationship with cost estimating
Technology utilization for estimating
The bidding process
Management of scope changes (addenda and change orders)

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Ha Yeung (Henry) Yu, P.E., P. Eng., PMP, LEED Green Associate, CTS, is currently a Senior Cost Engineer at the Port Authority of New York and New Jersey. He is a licensed professional engineer in New York State and the Provinces of Alberta and British Columbia, Canada. Mr. Yu is a Project Management Professional (PMP), a LEED Green Associate and an ASHE Certified Technology Specialist. He possesses extensive experience in planning and management for diversified domain construction projects ranging from medium to large-scale industries, and he has an in-depth understanding of engineering design and construction management. He also provides on-call service as a FEMSA substantial damage estimator.

Mr. Yu’s areas of expertise include heavy civil construction, cost estimating, value engineering, project scheduling, feasibility studies, risk assessment, asset management and lifecycle cost analysis. He has conducted cost estimating training programs by invitation of the New York City Economic Development Corporation, and has been teaching the cost estimating and project management lectures for more than ten years for the New York City Local 3 electricians, plumbers, carpenters and workers of other trades at the SUNY Empire State College and the Mechanics Institute of the General Society of Mechanics and Tradesmen.

Here’s what past attendees had to say about the program:

Mr. Yu has delivered lectures and training courses in several areas as stated below:

- Structural Engineering
- Fire Protection Features and Equipment
- Compliance with State & Federal Accessibility Requirements

The following seminars are available in the program:

1. **Construction Cost Estimating**
   - Thurs., Nov. 7, 2019, 11:00 AM - 2:15 PM CST
   - Tuition: $269

2. **Fire Protection and Building Codes**
   - Tues., Nov. 12, 2019, 11:00 AM - 12:00 PM CST
   - Tuition: $250

3. **Fire Protection and Life Safety Design**
   - Tues., Nov. 12, 2019, 12:30 - 2:30 PM CST
   - Tuition: $250

4. **Means of Egress**
   - Thurs., Nov. 19, 2019, 11:00 AM - 1:00 PM CST
   - Tuition: $250

5. **Occupancy Classifications**
   - Tues., Nov. 12, 2019, 1:30 - 3:30 PM CST
   - Tuition: $250

6. **Structural Forensic Engineering**
   - Introduction to the Forensic Engineering Process
   - Tues., Nov. 12, 2019, 11:00 AM - 1:00 PM CST
   - Tuition: $250

7. **Structural Forensic Engineering**
   - Causes of Failures and the Forensic Engineering Report
   - Thurs., Nov. 19, 2019, 1:30 - 3:30 PM CST
   - Tuition: $250

8. **Forensic Examination of Structures and Use in Litigation**
   - Wed., Nov. 13, 2019, 11:00 AM - 1:00 PM CST
   - Tuition: $250

9. **Means of Egress**
   - Thurs., Nov. 19, 2019, 11:00 AM - 1:00 PM CST
   - Tuition: $250

10. **Additional Learning**
    - Distributed Batteries for Solar PV Systems
      - Part I
      - Wed., Nov. 6, 2019, 11:00 AM - 2:15 PM CST
      - Tuition: $250
    - Part II
      - Thurs., Nov. 7, 2019, 11:00 AM - 2:15 PM CST
      - Tuition: $250
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**Attendance**

Attendance will be monitored, and attendance certificates will be available after the seminar has not been approved by any state contractor licensing entity.

This course offers a non-credit continuing education opportunity to construction contractors. It is open to the public and offers 6.5 continuing education hours to architects and engineers.

**Refund Policy**

Refund, minus a $39 service charge for each registrant. Cancellations within 48 hours will receive a partial refund. Cancellations after this period are non-refundable.

**How to Register**

Visit us online at www.halfmoonseminars.org for complete AIACES information under this course listing.

HalfMoon Education Inc.
Mail: HalfMoon Education Inc., PO Box 278, Altown, WI 54720-0278
Email: education@halfmoonseminars.org
Phone: 715-835-5900
Fax: Code: 715-835-6066
Online: www.halfmoonseminars.org

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