

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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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.

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

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Learning Objectives

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.



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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

Learn about estimates for mechanical and electrical systems

Explore the relationship between estimating and project scheduling

Continuing Education Credits

Architects

6.5 New Jersey CE Hours
6.5 AIA LU|Elective

Professional Engineers

6.5 CPC Credits

Construction Contractors

Non-Credit CE Opportunity



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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 AVIXA 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 FEMA substantial damage estimator.

Mr. Yu's areas of expertise includes 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 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 and presenter Ha Yeung (Henry) Yu:

- "Very informative seminar with some good tips for estimating."
- Engineer Working in Construction Management
- "Nicely done." - Architect
- "Very knowledgeable in his field. Good delivery of material." - Structural Engineer
- "Every example is fully explained and illustrated. Well presented."—Engineer

Seminar Information

Holiday Inn Secaucus Meadowlands	Registration	Lunch (On your own)
300 Plaza Drive	8:00 - 8:30 am	12:00 - 1:00 pm
Secaucus, NJ 07094	Morning Session	Afternoon Session
(201) 348-2000	8:30 am - 12:00 pm	1:00 - 4:30 pm

Tuition
\$289 for individual registration
\$269 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. For availability and job description, please visit www.halfmoonseminars.org.

How to Register
• Visit us online at www.halfmoonseminars.org
• Mail-in or fax the attached form to 715-835-6066
• Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series
Distributed Batteries for Solar PV Systems

- Distributed Batteries for Solar PV Systems, Part I**
Wed., Nov. 6, 2019, 11:00 AM - 2:15 PM CST
- Distributed Batteries for Solar PV Systems, Part II**
Thurs., Nov. 7, 2019, 11:00 AM - 2:15 PM CST

Fire Protection and Building Codes

- Fire Protection and Life Safety Design**
Tues., Nov. 12, 2019, 11:00 AM - 12:00 PM CST
- Occupancy Classifications**
Tues., Nov. 12, 2019, 12:30 - 2:30 PM CST
- Means of Egress**
Tues., Nov. 19, 2019, 11:00 AM - 1:00 PM CST
- Fire Protection Features and Equipment**
Tues., Nov. 19, 2019, 1:30 - 3:00 PM CST

Structural Forensic Engineering

- Introduction to the Forensic Engineering Process**
Tues., Nov. 12, 2019, 11:00 AM - 1:00 PM CST
- Causes of Failures and the Forensic Engineering Report**
Tues., Nov. 12, 2019, 1:30 - 3:30 PM CST
- Forensic Examination of Structures and Use in Litigation**
Wed., Nov. 13, 2019, 11:00 AM - 1:00 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to architects and 6.5 CPCs to professional engineers in New Jersey and New York.

This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|Elective (Sponsor No. J885). Courses approved by the AIA qualify for New Jersey architects. Visit www.halfmoonseminars.org for complete AIACES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for New Jersey engineers (Approval No. 24GP00000700).

HalfMoon Education is deemed a New York-approved continuing education provider for engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)).

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

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Registration

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How to Register

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Complete the entire form. Attach duplicates if necessary.

Registrant Information

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Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.

☐ CD/Manual Package for **\$289.00**. ☐ USB/Manual Package **\$289.00**.
(S&H included. Please allow five weeks from seminar date for delivery)

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