**Agenda**

**Understanding & Evaluating Construction Cost Estimates**

**Introduction**
Time spent on summary & analysis
Level 5 estimating analysis
Show your work!

**Detailed Analysis**
Thinking scientifically
Labor
If you can’t explain it simply...

**Burden**
What’s burden include?
Why do we care?

**Match Game**
Analyzing multiple estimates
“Normalizing”

**Xactimate**
Insurance industry standards
Cons

**Budgeting & Estimating for Construction, Maintenance, Repairs & Claims**

**Order of Magnitude (PFCS Level 1)**
Case study: Otto’s outhouse
Case study: multi-family residential
Case study: Your room using uniform format

**Putting It All Together**
10-steps summary
Decide on the level of detail
Relating the parts

**Conceptual & Preliminary (PFCS Levels 2-3)**
10 steps: Level 2, level 3
Using the estimate components
Quantity take off (QTO)

**Detailed & Bid/Construction/Trial (PFCS Levels 4-5)**
10 steps: level 4, level 5
Refine the estimate: many passes

**Conclusion**
Estimating is a skill and profession
Learning objectives

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**Construction Cost Estimating**

Orlando, FL - Tuesday, July 23, 2019
Miami, FL - Thursday, July 25, 2019

**Learning Objectives**

You’ll be able to:

**Understand** the principles and tools of estimating.

**Explore** the process of estimating.

**Budget** and estimate for construction, maintenance, repairs and claims.

**Examine** different estimate levels, including order of magnitude, conceptual, preliminary, detailed and bid/construction.

**Consider** case studies and real-world examples of construction cost estimates.
**Faculty**

**Pete Fowler** Professional Cost Estimator, Pete Fowler Construction Services, Inc. Mr. Fowler is a construction consultant, professional cost estimator, and president of Pete Fowler Construction Services, Inc. (PFCS), a licensed general building contractor in California and Oregon. He received a B.S. degree in Construction Management from California State University, Chico. He has held certificates from AAMA, ASPE, ICBO, and others. Mr. Fowler has published articles in national magazines, and has been invited to speak by the most important architectural firms in the building industry (AAMA, APRA, ASPE, ASTM, BETEC, CAL ICC, NIBS, RCI, etc.). He also has experience with successful expert witness testimony, including in Federal Court.

**Alex Prokop** Construction Consultant, Pete Fowler Construction Services, Inc. Mr. Prokop is a senior consultant with over 20 years of experience in residential and commercial construction. He has acted as a general contractor on custom residential projects and as director of construction on a variety of large-scale residential and commercial projects, and urban mixed-use developments. Throughout his career, Mr. Prokop has managed architectural departments, purchasing teams, and field operations for national and regional development companies, including type I and type II construction in urban environments. He has provided consulting services for LEED projects, Build-It-Green residential communities, cost estimating, and project management services. In addition to having a B.S. degree in Construction Management, Mr. Prokop is a general contractor, LEED AP, and Certified Green Building Professional. He periodically delivers seminars on topics relating to building codes, building performance analysis and repair strategies.

**Marc Viss** Construction Consultant, Pete Fowler Construction Services, Inc. Mr. Viss has run his own consulting business for over 20 years, bringing 48 years of hands-on building and development experience to bear in assessing damaged homes, commercial buildings and all aspects of construction. Regularly called in to render opinions on behalf of attorneys, insurance companies, home owners, and contractors, he has offered testimony for all parties involved in the construction process. Mr. Viss is one of the foremost experts on assessing damage, estimating costs and determining fault. He is an expert on construction industry standards, manufacturers’ recommendations, scope of work, and the laws and regulations that apply to contractors. He is able to provide rigorous analysis by applying these concepts to real-world situations, and reaching an expert assessment. In addition to extensive experience in mediation and presenting testimony in trial, Mr. Viss has given accredited lectures on construction topics to attorneys as part of the mandatory continuing legal education requirements of the state bar.

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**Seminar Information**

Springhill Suites Orlando Airport
5826 Hazeline National Drive
Orlando, FL 32822
(407) 816-5533

Courtyard Miami West/FL Turnpike
11580 NW 105th Street
Miami, FL 33178
(305) 500-9600

**Tuition**

$289 for individual registration
$269 for three or more registrants from the same company at the same time. 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 715-835-5990

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a $59 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.

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**Continuing Education Credit Information**

This seminar is open to the public and offers 6.5 HSW continuing education hours to architects and engineers in most states, including Florida. HalfMoon Education is an approved continuing education provider for Florida professional engineers (Provider No. 0001647). This course qualifies for 6.5 Area of Practice continuing education hours. HalfMoon Education is an approved continuing education provider for Florida architects (Provider No. 0001388; License No. PV3594), and this course is approved for 6.5 HSW continuing education hours. The American Institute of Architects has approved this event for 6.5 LU|HSW (Provider No. J885). Full approval is required to have continuing education hours reported in Florida and to the AIA/ECS.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE27700059), Maryland, New Jersey (Approval No. 264000020300), North Carolina, and North Dakota. States have final authority on the acceptance of continuing education activities. Attendance will be monitored and reported, as required. 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. 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.

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**Registration Information**

**Online:**

www.halfmoonseminars.org

**To Register:**

- Phone: 715-835-5900
- Fax: 715-835-6066

**Mail:**

HalfMoon Education, Inc., PO Box 278, Altobna, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

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**Tuition**

- I will be attending the live seminar at the following location: Single Registrant - $289.00. Three or more registrants from the same company registering at the same time - $269.00 each.
- Orlando, FL - Tuesday, July 23, 2019
- Miami, FL - Thursday, July 25, 2019
- 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. (S&H included. Please allow five weeks from seminar date for delivery)

**Checks:**

Make payable to HalfMoon Education Inc.

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- Mastercard, Visa, American Express, or Discover
- CVV2 Code:
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