# Table of Contents

**Seminar Description** .......................................................................................................................... vii
**Seminar Schedule** .............................................................................................................................. xi

## SECTION 1

### Part 1. Cost Approach Basics and Applications

<table>
<thead>
<tr>
<th>Preview ................................................................................................................................................. 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction ................................................................................................................................. 1</td>
</tr>
<tr>
<td>Cost Approach Basics .................................................................................................................... 3</td>
</tr>
<tr>
<td>Limitations of the Cost Approach in Valuing Residential Properties ..................................... 5</td>
</tr>
<tr>
<td>Strengths of the Cost Approach in Valuing Residential Properties ........................................... 12</td>
</tr>
<tr>
<td>Applying the Cost Approach ......................................................................................................... 16</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 1 ......................................................... 17</td>
</tr>
<tr>
<td>Client Guidance on the Cost Approach ......................................................................................... 20</td>
</tr>
<tr>
<td>USPAP Guidance on the Cost Approach ......................................................................................... 21</td>
</tr>
<tr>
<td>Client Guidance on the Cost Approach, cont. ............................................................................... 24</td>
</tr>
<tr>
<td>8 Steps in the Application of the Cost Approach .......................................................................... 28</td>
</tr>
<tr>
<td>Cost Approach Basics (Steps in the Cost Approach) .................................................................. 29</td>
</tr>
</tbody>
</table>

### Part 2. Land and Site Valuation

<table>
<thead>
<tr>
<th>Preview ................................................................................................................................................. 35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Approach Basics (Step 1. Estimate Site Value) ................................................................. 37</td>
</tr>
<tr>
<td>Step 1. Estimate Site Value ............................................................................................................ 38</td>
</tr>
<tr>
<td>Step 1. Site Valuation Techniques ................................................................................................. 39</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 2 ......................................................... 45</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 3 ......................................................... 47</td>
</tr>
<tr>
<td>Site Value Using Market Extraction .............................................................................................. 49</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 4 ......................................................... 54</td>
</tr>
<tr>
<td>Site Value Using Market Extraction, cont. .................................................................................... 57</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 5 ......................................................... 60</td>
</tr>
<tr>
<td>Step 1. Estimate Site Value, cont. ................................................................................................. 62</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Exercise 6 ......................................................... 67</td>
</tr>
<tr>
<td>Step 1. Estimate Site Value, cont. ................................................................................................. 70</td>
</tr>
<tr>
<td>Critical Appraisal Skills for the Professional: Review Exercise A ............................................. 71</td>
</tr>
</tbody>
</table>
Part 3. Cost-Estimating Methods

Preview........................................................................................................................................... 73
Cost Approach Basics, cont. (Step 2. Estimate Cost of Improvements) .................. 75
Step 2. Estimate Current Construction Cost of Improvements ................................. 76
Critical Appraisal Skills for the Professional: Exercise 7 ........................................ 85
Step 2. Estimate Current Construction Cost of Improvements, cont. ................. 88
Critical Appraisal Skills for the Professional: Exercise 8 ........................................ 92
Critical Appraisal Skills for the Professional: Exercise 9 ................................. 100

SECTION 2

Part 4. Entrepreneurial Incentive and Entrepreneurial Profit

Preview........................................................................................................................................... 107
Cost Approach Basics, cont. (Step 3. Estimate Entrepreneurial Incentive) .............. 109
Step 3. Estimate Entrepreneurial Incentive ................................................................. 109
Critical Appraisal Skills for the Professional: Exercise 10 ..................................... 118

Part 5. Depreciation Estimates and Practical Applications

Preview........................................................................................................................................... 121
Cost Approach Basics, cont.
   (Step 5. Estimate Depreciation in the Structure) ................................................. 123
Step 5. Estimate Depreciation .................................................................................. 123
Critical Appraisal Skills for the Professional: Exercise 11 ................................ 134
Critical Appraisal Skills for the Professional: Review Exercise B ....................... 137
Step 5. Estimate Depreciation, cont. ........................................................................ 140
Critical Appraisal Skills for the Professional: Exercise 12 ................................ 142
Critical Appraisal Skills for the Professional: Exercise 13 ................................ 145
Critical Appraisal Skills for the Professional: Exercise 14 ................................ 148
Critical Appraisal Skills for the Professional: Exercise 15 ................................ 152
Critical Appraisal Skills for the Professional: Exercise 16 ................................ 156
Step 5. Estimate Depreciation, cont. ........................................................................ 161
Part 6. Supporting Adjustments in the Sales Comparison Approach

Preview ................................................................. 163
Supporting Adjustments in the Sales Comparison Approach .................. 165
Supporting Adjustments—Regression Analysis ...................................... 169
Supporting Adjustments in the Sales Comparison Approach, cont. .......... 170
Cost Approach Applications—Supporting Adjustments ....................... 171
Critical Appraisal Skills for the Professional: Exercise 17 ..................... 173
Cost Approach Applications—Supporting Adjustments, cont. ............... 175
Critical Appraisal Skills for the Professional: Exercise 18 ..................... 177
Supporting Adjustments in the Sales Comparison Approach .................. 178

APPENDIX

Marshall and Swift - CoreLogic® Material

Introduction—Square Foot Method ....................................................... 181
Average Quality .................................................................................... 195
Good Quality ....................................................................................... 227
Other Useful Information ..................................................................... 255
Quarterly and Local Multipliers ............................................................ 263

CASE STUDIES

Case Study 1 ....................................................................................... 273
Case Study 2 ....................................................................................... 291
Case Study 3 ....................................................................................... 309
Case Study 4 ....................................................................................... 333
Overview

Seminar Description

The participants in the secondary market often suggest to residential practitioners that the cost approach is unnecessary for credible assignment results or at least is not relevant to valuing a one- to four-unit property. This is highlighted in the Fannie Mae Selling Guide, as one example, when the cost approach is only required for the valuation of manufactured homes. Unfortunately, an appraiser with this mindset may have limited ability to grow professionally and move into diversified areas of practice by taking on atypical but potentially rewarding assignments. More importantly, a decline in the day-to-day use of the cost approach leaves a residential appraiser with an incomplete ability to perform the following tasks:

- Properly support adjustments in the sales comparison approach
- Understand trends in market conditions that are often driven by building costs
- Recognize and quantify the forms of depreciation that can affect residential improvements

Appraisers often repeat the phrase “cost doesn’t equal value.” However, failure to truly understand the cost approach limits the value of an appraiser to present and prospective clients. Through a combination of lecture plus exercises and case studies worked individually or in groups, this 7-hour seminar allows residential appraisers to regain and/or strengthen their proficiency with the cost approach. Then, they can rely on its indications whether market data is plentiful, scarce, or confusing.

This in turn allows the participant to better understand the key connection between proficiency with the cost approach and the ability to support adjustments in the sales comparison approach.

Learning Objectives

The objective of the seminar is to allow a residential practitioner to better understand and use the following eight important steps in the cost approach:

- Estimate site value.
- Estimate cost of improvements.
- Estimate entrepreneurial incentive.
- Estimate total cost of improvements.
- Estimate depreciation in the structure.
Estimate depreciated cost.

Estimate contribution of site improvements.

Derive indicated value of the property.

Learning Enhancements

The seminar has been designed with a variety of elements to enhance your learning experience.

- **Preview.** To give you a taste of what is to come, each part begins with a Preview page, which includes learning objectives to consider as you move through the content and, where appropriate, learning tips that will assist you in understanding the material you’re about to cover.

- **Learning Objectives.** The learning objectives presented at the beginning of each part cover information required for understanding the concepts in the seminar. Look them over before the part begins so that you have a frame of reference as you move through the material. At the end of each part, reread the objectives. Are you able to do what is stated? If not, this is the time to ask your instructor for help or review the concepts that you do not understand.

- **Exercises.** You will gain practice in applying the steps in the cost approach by completing the exercises in each part.

- **Case Studies.** To supplement the discussions, we’ve included case studies to help you apply what you are learning.

- **Solutions.** Answers to the exercises and case study questions are provided behind the Solutions tab at the back of this handbook.

USPAP References


Classroom Guidelines

To make the seminar a positive experience for everyone attending, we have some guidelines for your consideration:

- 100% attendance is required. No exceptions.

- Limit use of computers and wireless devices to classroom projects.
- Communicate with business associates during break time instead of class time.
- Put away reading materials such as newspapers and books that are not used in class.
- Silence cell phones and other communication devices.
- Use recording devices only if prior permission has been granted.
- Refrain from ongoing conversations with those seated near you and other distracting behavior.

**General Information**

- **Calculators.** A regular function or financial calculator is required.
- **Breaks.** There will be two 10-minute breaks during the morning session and two 10-minute breaks during the afternoon session unless noted otherwise by the seminar sponsor. The lunch break is one hour.
- **Attendance sheets** will be distributed during class to verify your attendance during the morning and afternoon sessions.
- **Certificates of completion** may be downloaded after completion of the seminar, and attendance during the entire seminar is required.