# **Table of Contents**

Overview	ix
Course Schedule	xiii
SECTION 1	
Introduction	
Diagnostic Quiz.	1
Part 1. Steps for Applying the Sales Comparison Approach	
Preview Part 1  Overview of the Valuation Process that Affects the Sales Compariso Relationship of the Sales Comparison Approach to Appraisal Princip Techniques for Estimating Adjustments	n Approach 7 lles23 23
Preview Part 2 Units of Comparison	31 34 37
Preview Part 3	61 62 64 84

# **SECTION 2**

Part 4. Data Collection and Comparable Selection	
Preview Part 4	93
Types of Data	95
Geographic Considerations	97
Data Sources	98
Market Analysis Issues and the Sales Comparison Approach	102
Highest and Best Use Analysis and the Sales Comparison Approach	103
Review Part 4	117
Review Quiz	119
Part 5. Verification	
Preview Part 5	121
Introduction	123
Applications	126
Review Part 5	129
Review Quiz	131
Part 6. Data Selection—Industrial Property Case Study	
Preview Part 6	133
Case Study	135
Review Part 6	143
PRACTICE TEST	145
ECTION 3	
Part 7. Adjustments and Analytical Techniques	
Preview Part 7	149
Comparative Analysis—Definitions and Overview	151
Quantitative Analysis	152
Qualitative Analysis	155
Review Part 7	159
Review Quiz	161

Preview Part 8	163
Qualitative Analysis—Overview	165
Qualitative Analysis Techniques	166
Overcoming Objections to the Use of Qualitative Analysis	177
Review Part 8	181
Review Quiz	183

### Part 9. Case Study—Industrial Property

Preview Part 9	185
Case Study	187
Review Part 9	191
PRACTICE TEST	193

### **SECTION 4**

# Part 10. Introduction to Quantitative Analysis and Adjustment Derivation Techniques

Preview Part 10	.97
Definitions	.99
Sequence of Adjustments	200
Paired Data Analysis—Overview	204
Review Part 102	11
Review Quiz2	13

## Part 11. Special Considerations for Quantitative Analysis

Preview Part 11	215
Considerations when Using Quantitative Analysis	217
Limitations of Paired Data Analysis	218
Review Part 11	227
Review Ouiz	229

Part 12. Adjustment Derivation Techniques, cont.	
Preview Part 12	231
Graphic Analysis	
Linear Regression	
Review Part 12	
PRACTICE TEST	249
SECTION 5	
Part 13. Adjustment Derivation Techniques, cont.	
Preview Part 13	253
Cost-Related Adjustments	
Capitalization of Rent Differences	
Review Part 13	
Review Quiz	
Part 14. Supportive Quantitative Analysis Techniques	
Preview Part 14	269
Grouped Data Analysis	271
Sensitivity Analysis	273
Scenario Analysis	274
Trend Analysis	276
Review Part 14	279
Review Quiz	281
Part 15. Practice Problems in Applying Quantitative Analysis Techniques	
Preview Part 15	283
Practice Problems	285
Review Part 15	297
PRACTICE TEST	299
SECTION 6	
Part 16. Case Study—Apartment Property	
Preview Part 16	303
Case Study	305
Review Part 16	315
PRACTICE TEST	317

# **SECTION 7**

Part 17. Case Study—Quantitative and Qualitative Analysis
Preview Part 17321
Review: Quantitative and Qualitative Analysis
Points to Remember About Quantitative and Qualitative Analysis
Case Study—Office Building with Retail Component
Review Part 17329
Part 18. Reconciliation and Consistency Issues
Preview Part 18
Reconciliation
Questions to Ask in Performing the Final Reconciliation
Re-evaluation
Reconciliation Criteria
Final Opinion of Value
What Reconciliation Is Not
Summary—Conclusion of Value
Review Part 18343
PRACTICE TEST
SECTION 8  Part 19. Exam Content Review
Preparing for the Exam
APPENDIX A
Self-Study Problems and Questions
APPENDIX B
Commercial Green and Energy Efficient Addendum

# Overview

### **Course Description**

General Appraiser Sales Comparison Approach presents an in-depth look at this valuation analysis method. It begins with detailed discussions of property comparability, techniques used to gather and verify data for a subject property, and use of this data in selecting a market area and appropriate comparable properties for analysis in the approach. The course explores ways to sort and analyze data, and effectively apply certain statistical analysis tools. Extensive practice problems, case study applications, and lecture will show participants how to analyze comparable sales using units and elements of comparison. The material addresses both quantitative and qualitative analysis.

### **Learning Enhancements**

The course 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 that includes a brief overview of the content, learning objectives to consider as you move through the material, and learning tips to assist you in understanding the information you're about to cover.
- Learning Objectives. Each learning objective covers the information you need to fully understand the concepts in the course. 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.
- **Examples and Problems.** To supplement the discussions are examples and problems to help you visualize and practice what you are learning.
- *Fill-in-the-Blanks.* It is a proven fact that when you write something down, you are more apt to remember it. The course handbook has "missing" content in the outline that you will need to add in the space provided in your handbook as the instructor goes over the content.
- **Review.** Each part concludes with a review, which includes the learning objectives and key terms and concepts that have been covered. Also, any recommended readings from textbooks will reinforce what you have learned in class.
- Review Quizzes and Section Practice Tests. Short quizzes are included at the end of most parts, and a practice test is included at the end of each section. The questions are similar to the types of questions you might find on the exam. By answering the true/false, fill-in-the-blank, or multiple-choice questions, etc., you will find out whether or not you really know the information covered in the part.

Digging Deeper. Digging Deeper information goes beyond the scope of the course and is not intended to be covered in class. It is not tested on the course exam; however, appraisers preparing for the comprehensive exam should be familiar with it, as well as all other material contained in the course handbook, whether or not it is presented in class.

### **USPAP** References

All references to the *Uniform Standards of Professional Appraisal Practice* (USPAP) are taken from the 2020–2021 edition (Washington, D.C.: The Appraisal Foundation).

### **Classroom Guidelines**

To make the course a positive experience for everyone attending, please observe the following requirements:

- 100% attendance is required. No exceptions.
- Limit use of computers 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.
- 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 financial calculator is required. The accepted model used in the course is the HP-12C. Important Note. Laptops, cellular phones, tablets, iPads, wearable technology (smart watch, Apple Watch, Google Glass, etc.), and other devices that can store data or connect to the Internet are NOT permitted during the exam. In addition, all watches, wallets, bags, and purses must be removed and stored out of reach prior to taking the exam.
- **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 course 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 course, and attendance during the entire course is required.

# **Recommended Texts**

The Appraisal of Real Estate, 15th ed.

The Dictionary of Real Estate Appraisal, 7th ed.