

Table of Contents

Overview	ix
-----------------------	----

Course Schedule	xiii
------------------------------	------

SECTION 1

Introduction

Part 1. Introduction to the Income Capitalization Approach

Preview Part 1	1
Market Value.....	3
Anticipation and Other Relevant Economic Principles.....	4
What Is Capitalization?	5
Review Part 1.....	9
Review Quiz	11

Part 2. Time Value of Money and Related Concepts

Preview Part 2.....	13
Time Value of Money	15
Simple and Compound Interest	21
Overview of Financial Functions (or Factors) of One	33
The First of the Six Functions of One.....	35
Review Part 2.....	39

Part 3. Time Value of Money and Related Concepts, cont.

Preview Part 3.....	41
The Second of the Six Functions of One	43
The Third of the Six Functions of One.....	46
The Fourth of the Six Functions of One.....	53
The Fifth of the Six Functions of One.....	56
The Last of the Six Functions of One.....	59
Review Part 3.....	65
Practice Test Section 1	67

SECTION 2

Part 4. Tables, Six-Function Summary, and Other Level-Income Problems

Preview Part 4.....	71
Use of Tables.....	73
Six-Function Summary.....	77
Loan Balances.....	77
Mortgage Capitalization Rate (R_M).....	79
Combination Level Annuity Problems.....	81
Solving for Term (n) and Yield Rate (i).....	82
Review Part 4.....	85
Review Quiz.....	87

Part 5. Review and Overview of Income Capitalization

Preview Part 5.....	89
Review and Overview of Income Capitalization Approach.....	91
Bundle of Rights in the Income Capitalization Approach.....	96
Levels of Income.....	97
Review Part 5.....	99
Review Quiz.....	101

Part 6. Analyzing Income: Income and Leases Introduction

Preview Part 6.....	103
Income and Leases Introduction.....	105
Potential Gross Income (PGI).....	105
Types of Rent and Related Rent Concepts.....	106
Review Part 6.....	117
Practice Test Section 2.....	119

SECTION 3

Part 7. Analyzing Income: Lease Characteristics and Concepts

Preview Part 7.....	125
Lease Characteristics.....	127
Other Lease Concepts.....	132
Market Rent Estimates.....	132
Review Part 7.....	135
Review Quiz Part 7.....	137

Part 8. Vacancy and Collection Loss and Effective Gross Income

Preview Part 8.....	139
Vacancy and Collection Loss	142
Types of Vacancy	144
Collection Loss	148
Vacancy and Collection Loss Data	149
Other Income	152
Effective Gross Income (<i>EGI</i>)	152
Review Part 8.....	155

Part 9. Operating Expenses, Reimbursements, Replacement Allowances, Expense Tests of Reasonableness, and Below-the-Line Expenses

Preview Part 9.....	157
Operating Expenses.....	159
Fixed Expenses	163
Variable Expenses	165
Reimbursements.....	169
Replacement Allowance (formerly and still referred to as <i>Reserves</i>).....	172
Total Operating Expenses.....	178
Net Operating Income (<i>I_o</i> or <i>NOI</i>).....	179
Tests of Reasonableness.....	179
Leasing Commissions and Tenant Improvements.....	182
Review Part 9.....	185
Practice Test Section 3	187

SECTION 4

Part 10. Industrial Building Case Study

Preview Part 10.....	191
Overview.....	194
Assignment.....	194
Case Study Problems	199
Review Part 10.....	203

Part 11. Retail Case Study

Preview Part 11.....	205
Overview.....	208
Assignment.....	208
Case Study Problems	212
Review Part 11.....	217

Part 12. Financial Functions, Direct Capitalization, and Operating Income Review

Preview Part 12.....	219
Review Part 12.....	221
Practice Test Section 4	223

SECTION 5

Part 13. Converting Income into Value: Deriving and Applying Multipliers and Overall Capitalization Rates

Preview Part 13.....	229
Types of Multipliers and Rates.....	231
Direct Capitalization	234
Review Part 13.....	255

Part 14. Converting Income into Value: Deriving and Applying Capitalization Rates and Calculating Reversions

Preview Part 14.....	259
Definition.....	261
Reversion	267
Loading Capitalization Rates	270
Review Part 14.....	275

Part 15. Converting Income into Value: Deriving Capitalization Rates Using Band of Investment Techniques

Preview Part 15.....	277
Built-up and Blended Overall Rates: Band of Investment.....	279
Review Part 15.....	291
Practice Test Section 5	293

SECTION 6

Part 16. Residual Techniques

Preview Part 16.....	303
Overview of Residual Techniques	306
Physical Division: Land and Building Residuals	306
Weaknesses of Using Residual Analysis to Support Highest and Best Use Conclusions	322
Review Part 16.....	325
Review Quiz	327

Part 17. Mortgage and Equity Residual Analysis

Preview Part 17	329
Financial Division: Mortgage and Equity Residual	331
Review Part 17	341
Review Quiz	343

Part 18. Appropriate Leasehold/Leased Fee Residuals and Summary

Preview Part 18	345
Legal Division: Leasehold and Leased Fee	347
Review Part 18	355
Practice Test Section 6	357

SECTION 7

Part 19. Band of Investment and Residual Review

Preview Part 19	367
Characteristics of Band of Investment and Residual Problems	369
Problem Recognition for Band of Investment and Residual Problems	369
Solving Band of Investment and Residual Problems	373
Other Configurations for Band of Investment and Residual Problems	387
Review Part 19	389

Part 20. Review of Income Capitalization and Other Exam Preparation

Preview Part 20	391
Convention for Symbols	393
Rates, Ratios, Relationships, and Synonyms	394
Summary of Options Available for Processing Income and Converting Income to Value Using Factors and Rates in Direct Capitalization	395
Six Functions of One Summary and Review	396
Problem Recognition Tips	397
Problem-Solving Flow Chart	399
Review Part 20	405

**Part 21. Extraction of Rates & Ratios from a Comparable Sale
(Office Building Case Study) and Summary of Exam Tips**

Preview Part 21.....	407
Overview.....	410
Case Study Problems	411
Compilation of Calculator and Exam Tips.....	417
Review Part 21.....	419

SECTION 8

Part 22. Exam Content Review

Preparing for the Exam.....	421
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APPENDIX

Commercial Green and Energy Efficient Addendum

Overview

Course Description

After a brief review and introduction, *General Appraiser Income Approach/Part 1* begins with a look at of the time value of money, compound interest, the six financial functions of one and like concepts. A thorough, detailed analysis of gross income including leases and the various expenses appropriately deducted from gross income follows, including case studies of several income property types. Direct capitalization of net operating income and its components into value is then presented using overall capitalization rates, band of investment, and residual techniques. Substantial class time is devoted to practicing the taught concepts to prepare the participant for the exam.

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, you will find a preview page that begins each part. Included on the preview page is a brief overview of the content, learning objectives to consider as you move through the content, and learning tips that will assist you in understanding the information you're about to learn.
- **Learning Objectives.** Each learning objective covers essential information you need to know 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, Problems, Case Studies.** To supplement the discussions, we've included examples, problems, and case studies. The examples will help you visualize what is being discussed. Problems and case studies provide you with the opportunity to practice what you are learning.
- **Discussion & Thought Questions.** Discussion and thought questions provide you with additional ideas to consider as you absorb 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. Included in the review are the learning objectives and key terms and concepts that have been covered. Also, we've provided recommended readings from textbooks that will reinforce what you have learned in class.
- **Review Quizzes.** Short review quizzes are included at the end of most parts. By answering the true/false questions, fill-in-the-blanks, or multiple-choice questions, etc., you will know whether or not you really comprehend the information that was covered in that part.
- **Section Tests.** Section tests are included at the end of each section in the review. The questions are similar to the types of questions you might find on the exam.
- **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.**

Additional Notes Regarding Effective Learning in this Course

The exercises for this course have been carefully developed. To assist you in learning, see additional notes below.

- *Fill-in-the-blank.* Definitions are given for all terms, but some require you to write in the term. The terms are shown on the instructor's PowerPoint slides and in the solutions booklet.
- *Examples.* These are usually fully answered in the course handbook; occasionally they might be shown on PowerPoint as a minor fill-in-the-blank exercise.
- *Problems.* Questions are presented in the course handbook. Solutions are provided in the solutions booklet
- *Discussion Questions.* Questions are posed in the course handbook. However, they are **NOT** answered in the solutions booklet. Be sure to take notes on the ensuing discussion or from the PowerPoint slides.
- *Thought Questions.* Questions are posed in the course handbook, while answers are included in the solutions booklet.
- *Case Studies.* Problems are presented in Section 4 of the course handbook. Solutions are shown in the instructor's PowerPoint slides and in a case study solution handout that will be distributed upon completion of the case studies.
- *Practice Quizzes.* Quiz questions follow most parts in the course handbook. Answers are in the solutions booklet.

- *Practice Tests.* Test questions are included at the end of each section. They are presented in multiple-choice format. Answers are included in the solutions booklet.

Classroom Guidelines

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

- 100% attendance is required. No exceptions.
- Limit use of laptops 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.¹ **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 per half-day 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 each half-day session.
- **Certificates of completion** will be available for download after completion of the course, and attendance during the entire course is required.

1. One feature of the HP-12C: Tough construction: *One HP-12C was used by a zoo keeper to calculate feed mixtures. The zoo keeper dropped the calculator and it was consumed by a hippopotamus. The calculator survived the hippo's digestive process as well as the washing that followed.* (From the Museum of HP Calculators, www.hpmuseum.org/hp12c.htm)

Recommended Texts

- *The Appraisal of Real Estate, 15th ed.*
- *The Dictionary of Real Estate Appraisal, 7th ed.*
- *HP-12C Financial Calculator User's Guide*
- *Rates and Ratios Used in the Income Capitalization Approach*
- *Mathematics for Real Estate Appraisers*
- *Capitalization Theory and Techniques Study Guide, 3rd ed.*