



51A Middle Street Newburyport MA 01950

Phone: 800-588-7039 Fax: 877-902-4284

contact@bhfe.com

www.bhfe.com

Course Details

Course Title: *Accounting for Managers* #360822

Number of continuing education credit hours recommended for this course:

In accordance with the standards of the National Registry of CPE Sponsors, CPE credits have been granted based on a 50-minute hour.

CPA: 18 (All states)

National Registry of CPE Sponsors ID Number: 107615.

Sponsor numbers for states requiring sponsor registration

Florida Division of Certified Public Accountancy: 4761 (Ethics #11467)

Hawaii Board of Accountancy: 14003

New York State Board of Accountancy (for ethics): 002146

Ohio State Board of Accountancy: M0021

Pennsylvania Board of Accountancy: PX 178025

Texas State Board of Accountancy: 009349

Course Description

Non-financial managers need a sufficient knowledge of accounting to interpret a company's financial statements and make key business decisions. The *Accounting for Managers* course describes how accounting transactions are compiled into financial statements and how information about company performance can be extracted from those statements. It also addresses decisions in such areas as sales and marketing, human resources, and acquisitions that are impacted by accounting information. The course describes several tools, including target costing and constraint analysis, which can be used to improve upon business decisions. In short, *Accounting for Managers* is the ideal toolkit for understanding how accounting information can be used to drive business decisions.

Course Materials

Publication/Revision date: 1/18/2022.

Course book: *Accounting for Managers* by Steven M. Bragg, CPA.

Final exam: Seventy-five questions (multiple-choice).

Program Delivery Method: QAS Self-Study

Subject Codes/Field of Study: Accounting

Program Level: Overview

Prerequisites: Basic familiarity with accounting practices.

Advance Preparation: None

Instructions for Taking This Course

- Log in to your secure account at www.bhfe.com. Go to "My Account."
- You must complete this course within one year of purchase (If the course is "Expired," contact us and we will add the latest edition of the course to your account (no charge)).
- **To retain the course-PDF after completion (for future reference) and to enable enhanced navigation:** From "My Account," Download and save the course-PDF to your computer. This will enable the search function (Menu: Edit>Find) and bookmarks (icon on left side of document window).
- Complete the course by following the learning objectives listed for the course, studying the text, and, if included, studying the review questions at the end of each major section (or at the end of the course).
- Once you have completed studying the course and you are confident that the learning objectives have been met, answer the final exam questions (online).

Instructions for Taking the Online Exam

- Log in to your secure account at www.bhfe.com. Go to "My Account."
- A passing grade of at least 70% is required on the exam for this course.
- You will have three attempts to pass the exam (call or email us after three unsuccessful attempts for instructions).
- The exam is not timed, and it does not need to be completed in one session.
- For a printed copy of the exam questions, open the exam and press "Print Exam."
- Once you pass the exam, the results (correct/incorrect answers) and certificate of completion appear in "My Account." A confirmation email is also sent.
- CFP Board and IRS credit hours, if applicable, are reported on Tuesdays and at the end of the month.

Have a question? Call us at 800-588-7039 or email us at contact@bhfe.com.

About the Author

Steven Bragg, CPA, has been the chief financial officer or controller of four companies, as well as a consulting manager at Ernst & Young. He received a master's degree in finance from Bentley College, an MBA from Babson College, and a Bachelor's degree in Economics from the University of Maine. He has been a two-time president of the Colorado Mountain Club, and is an avid alpine skier, mountain biker, and certified master diver. Mr. Bragg resides in Centennial, Colorado. He has written more than 250 books and courses, including *New Controller Guidebook*, *GAAP Guidebook*, and *Payroll Management*.

Published by AccountingTools LLC, Centennial, Colorado.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without the prior written permission of the Publisher. Requests to the Publisher for permission should be addressed to Steven M. Bragg, 6727 E. Fremont Place, Centennial, CO 80112.

Limit of Liability/Disclaimer of Warranty: While the publisher and author have used their best efforts in preparing this book, they make no representations or warranties with respect to the accuracy or completeness of the contents of this book and specifically disclaim any implied warranties of merchantability or fitness for a particular purpose. No warranty may be created or extended by written sales materials. The advice and strategies contained herein may not be suitable for your situation. You should consult with a professional where appropriate. Neither the publisher nor author shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages. ISBN-13: 978-1-938910-25-8

Learning Objectives

- Cite the types of accounting transactions and where they are recorded, as well as the roles of the controller and chief financial officer.
- Specify the different accounting principles and sub-ledger types, as well as the structure of the general ledger, and the reasons for the accounting cycle.
- Identify the types of financial statements and their reporting formats, as well as their users.
- State the types of ratio analysis used to interpret the financial statements, the uses of each one, and their contents.
- Specify the uses to which different account code structures can be put, and the different types of responsibility centers.
- Cite the proper accounting for loss contingencies, compensated absences, research and development, acquired software, and stock-based compensation.
- Specify how the contribution margin, breakeven levels, and margin of safety can be calculated and how they are used, as well as the determinants of demand.
- Identify the types of payroll systems, the uses of the different pay codes, the types of deposit schedules, the criteria for designating a person as an employee, and the penalties associated with payroll tax underpayment.
- State the nature of the analysis methods used to examine possible investments, as well as the advantages of each one.
- Specify the features of the various acquisition structures and the benefits to be gained from each one, as well as the nature of appraisal rights.
- Identify the limitations of direct cost analysis and the components of an activity-based costing analysis.
- Itemize the activities that can be pursued to achieve a target cost when designing a new product, as well as the sources of the required cost analysis information.
- State the main features of a system of constraint analysis, and how this system can be used to improve profits.
- Specify the methods used to derive estimates for a budget, the impact of operational changes on a budget, and how information rolls up through the various subsidiary-level budgets. Also note the calculation methods used to derive production and labor budgets.
- Identify the types of variances, the factors that can trigger different types of variances from the expected amounts, and also note the reports used to reveal variance information.

Table of Contents

Chapter 1 - The Need for Accounting Information	1
The Accountancy Concept	1
Financial and Managerial Accounting.....	2
Decisions Requiring Accounting Information.....	3
The Structure of this Book	4
Chapter 2 - Introduction to Accounting	7
Accounting Frameworks	7
Accounting Principles	8
The Accounting Cycle.....	9
Accounting Transactions.....	10
Source Documents.....	11
Double Entry Accounting.....	11
The Ledger Concept.....	12
The General Ledger	13
Accounts Receivable Ledger	14
Purchase Ledger.....	15
Journal Entries.....	16
Major Journal Entries.....	17
The Accruals Concept	18
The Realization Concept	18
The Trial Balance	19
Accrual Basis of Accounting.....	20
Cash Basis of Accounting	21
Chapter 3 - The Financial Statements	24
The Income Statement.....	24
Income Statement Overview.....	24
The Single-Step Income Statement.....	27
The Multi-Step Income Statement	27
The Condensed Income Statement.....	28
The Contribution Margin Income Statement	29
The Multi-Period Income Statement.....	29
The Balance Sheet.....	30
Overview of the Balance Sheet.....	31
The Common Size Balance Sheet.....	33
The Comparative Balance Sheet	34
The Statement of Cash Flows.....	35
Overview of the Statement of Cash Flows.....	36
The Direct Method.....	36
The Indirect Method	38
The Statement of Retained Earnings	39
Overview of the Statement of Retained Earnings	39
Financial Statement Footnotes	40
Consolidated Financial Statements.....	41
Interim Financial Statements.....	41
Pro Forma Financial Statements.....	42
Financial Statement Audits, Reviews, and Compilations.....	43
Chapter 4 - Interpretation of Financial Statements	46
Interpretation of Financial Statements.....	46
Horizontal Analysis.....	47
Vertical Analysis	49
Cash Coverage Ratio	50
Current Ratio	51
Quick Ratio	51

Liquidity Index	52
Accounts Payable Turnover Ratio.....	53
Accounts Receivable Turnover Ratio.....	54
Inventory Turnover Ratio	55
Fixed Asset Turnover Ratio	55
Sales to Working Capital Ratio	56
Debt to Equity Ratio.....	57
Fixed Charge Coverage	57
Breakeven Point	58
Gross Profit Ratio.....	58
Net Profit Ratio	59
Return on Net Assets.....	60
Return on Equity	60
Limitations of Ratio Analysis.....	62
Effect of the Number of Days in a Month.....	63
Chapter 5 - Evaluation of Responsibility Centers	67
Responsibility Reporting	67
Functional Organizational Structure.....	68
Divisional Organizational Structure	70
The Structure of the Chart of Accounts.....	71
Three-Digit Chart of Accounts	71
Five-Digit Chart of Accounts.....	73
Seven-Digit Chart of Accounts.....	74
Responsibility Center Information Reporting	77
Transfer Pricing.....	79
Market Price Basis	80
Adjusted Market Price Basis.....	81
Negotiated Basis	81
Contribution Margin Basis.....	82
Cost Plus Basis.....	82
Cost Anomalies in a Cost-Based Transfer Price	83
Pricing Problems Caused by Transfer Pricing	83
Tax Impact of Transfer Prices.....	84
Accounting Issues Related to Responsibility Centers	86
Chapter 6 - Overview of Selected Accounting Standards	88
Accounting Changes and Error Corrections	88
Advertising	89
Capitalized Interest.....	90
Compensated Absences.....	91
Contingencies	92
Deferred Compensation.....	93
Fixed Assets	93
Inventory	95
First In, First Out Method	96
Last In, First Out Method.....	97
Weighted Average Method	98
Specific Identification Method.....	99
Research and Development	99
Revenue Recognition	100
Subsequent Events.....	101
Stock-Based Compensation.....	101
Taxes	105
Chapter 7 - Sales and Marketing Decisions.....	108
Contribution Margin.....	108
Breakeven Point	109
Margin of Safety.....	112

Cost-Volume-Profit Analysis	113
Sales Mix.....	115
Customer Turnover	116
Accounting Inputs to Price Formulation	117
Cost Plus Pricing.....	117
Time and Materials Pricing.....	118
Breakeven Pricing.....	120
Price Elasticity of Demand.....	121
Cross Price Elasticity of Demand.....	122
Non-Price Determinants of Demand	123
Chapter 8 - Human Resources Decisions.....	126
Payroll Cycles	126
Time Tracking Issues	128
Time Tracking Scope.....	128
Employee Exclusions.....	129
Data Collection Scope.....	129
Payroll Deduction Issues	130
Payroll Tax Remittance Issues	131
Definition of an Employee	133
Accrued Bonuses.....	135
The Common Paymaster Rule.....	136
Unemployment Insurance Issues.....	137
The Employee Cost Object.....	139
The True Variability of Direct Labor	140
Compensation Cost Reduction	140
Proactive Hiring Solutions.....	140
Temporary Cost Reductions	141
Permanent Cost Reductions	142
Chapter 9 - Investment Decisions.....	146
The Investment Decision.....	146
Payback Analysis	147
Discounted Payback.....	148
Accounting Rate of Return.....	149
Time Value of Money	150
Present and Future Value Tables.....	151
Net Present Value.....	153
Internal Rate of Return	154
Incremental Internal Rate of Return	155
Terminal Value.....	156
Real Options	156
Complex Systems Analysis	157
Research and Development Funding Analysis.....	158
Accounting Issues Related to Investment Decisions	159
Impairment of Fixed Assets	159
Impairment of Securities.....	160
Impairment of Investments in Other Entities	161
Chapter 10 - Acquisition Decisions	165
Accounting Due Diligence	165
Impact on Earnings per Share.....	167
Tax Issues in an Acquisition	168
Tax Issues for the Seller.....	168
Tax Issues for the Acquirer.....	168
Issues with Stock Purchases	169
General IRS Requirements to Avoid Gain Recognition.....	169
The Type “A” Acquisition	170
The Type “B” Acquisition.....	170

The Type "C" Acquisition.....	171
The Type "D" Acquisition	171
Triangular Mergers.....	172
The Triangular Merger.....	172
The Reverse Triangular Merger.....	172
The Asset Acquisition	173
Impact of the Acquiree Organizational Form.....	174
Summary of Legal Structures.....	174
Accounting Integration.....	175
Chapter 11 - Cost Accounting Tools and Concepts	180
Direct Costing	180
Direct Costing as a Managerial Tool.....	181
Automation Investments	181
Cost Reporting	182
Customer Profitability.....	183
Profit-Volume Relationship	184
Outsourcing.....	185
Direct Costing Pitfalls	186
The Problem With Overhead Allocation.....	188
Activity-Based Costing	190
Activity-Based Management.....	195
Chapter 12 - Target Costing	201
The Basic Steps of Target Costing	201
Value Engineering Considerations	202
The Cost Reduction Program	203
The Milestone Review Process	203
Problems with Target Costing	204
The Members of a Design Team	205
The Role of Accounting in Target Costing	205
Data Sources for Target Costing	206
The Product Life Cycle and Target Costing.....	207
Chapter 13 - Constraint Analysis	209
Constraint Analysis Operational Terminology.....	209
Overview of Constraint Analysis	210
The Cost of the Bottleneck.....	211
Local Optimization.....	212
Constraint Analysis Financial Terminology.....	213
Constraint Analysis from a Financial Perspective.....	214
The Constraint Analysis Model.....	214
The Decision to Sell at a Lower Price	216
The Decision to Outsource Production.....	217
The Capital Investment Decision	218
The Decision to Cancel a Product	220
Chapter 14 - Budgeting Concepts	223
The System of Budgets.....	223
The Reasons for Budget Iterations	227
Overview of the Revenue Budget.....	227
The Ending Finished Goods Inventory Budget	230
The Production Budget.....	232
Production Budgeting for Multiple Products.....	234
The Direct Materials Budget (Roll up Method)	234
The Direct Materials Budget (Historical Method).....	236
The Direct Labor Budget.....	237
The Manufacturing Overhead Budget	238
The Sales and Marketing Budget	240
Diminishing Returns Analysis.....	241

The Research and Development Budget	242
The Administration Budget.....	244
The Compensation Budget	246
The Budgeted Income Statement.....	249
The Budgeted Balance Sheet.....	250
The Financing Budget	256
Chapter 15 - Budgetary Control	260
General Reporting Format.....	260
Revenue Reporting.....	262
Overview of Cost of Goods Sold Variance Reporting	264
The Purchase Price Variance.....	264
Material Yield Variance	265
Labor Rate Variance.....	267
Labor Efficiency Variance	267
Variable Overhead Spending Variance	268
Variable Overhead Efficiency Variance.....	269
Fixed Overhead Spending Variance	269
Problems with Variance Analysis	270
Which Variances to Report	270
Answers to Chapter Questions	273
Glossary	292
Index	295

Preface

Managers are constantly confronted with situations in which they need to make decisions based on information originating in the accounting department. In *Accounting for Managers: A Business Decision Guide*, we explore the accounting information available to managers, and how the information can be employed to improve operational and financial results. The topics covered include the interpretation of financial statements, responsibility centers, relevant accounting standards, decision making issues in specific departments, and a variety of analysis tools. As examples of the topics covered, *Accounting for Managers* provides answers to the following questions:

- How does accounting information roll up into the financial statements?
- What is the purpose of each of the financial statements?
- What are the limitations of ratio analysis?
- How can transfer prices impact the profits of a subsidiary?
- How can the accounting for inventory impact profits?
- Which pricing formulations depend on product cost?
- What methods are available for reducing compensation costs?
- How do I conduct a discounted cash flow analysis?
- Which accounting issues should be investigated during due diligence?
- What methods are available for improving the profitability of new products?
- How do I decide whether to outsource production?
- Which variances from the budget are worth tracking?

Accounting for Managers: A Business Decision Guide is intended for managers in any functional area of a business, as well as for those students wanting to learn about management techniques. The book also provides references to the author's popular Accounting Best Practices podcast, which provides additional coverage of many accounting and management topics. As such, it may serve as a reference tool for years to come.

Centennial, Colorado
January 2022