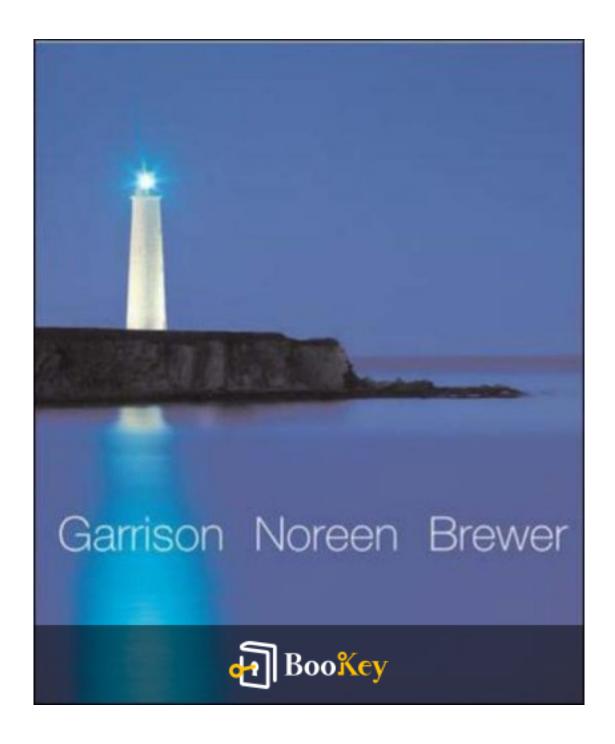
# Managerial Accounting PDF (Limited Copy)

Ray H. Garrison







## **Managerial Accounting Summary**

Driving Business Decisions through Financial Insights.

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#### About the book

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"Managerial Accounting" by Ray H. Garrison serves as an essential guide for aspiring managers and decision-makers who need to navigate the complexities of financial data to drive effective business strategies. This meticulously crafted text emphasizes the pivotal role of managerial accounting in the planning, control, and decision-making processes within organizations, equipping readers with the analytical tools and concepts necessary to interpret financial information. With real-world applications and contemporary examples, Garrison empowers readers to understand not just the 'what' and 'how,' but also the 'why' behind key managerial decisions. Dive into a world where numbers and strategy intersect, and discover how you can leverage managerial accounting to enhance operational performance and foster a culture of financial awareness within your organization.



#### About the author

Ray H. Garrison is a distinguished scholar and educator in the field of managerial accounting, best known for his influential textbook, "Managerial Accounting," which has become a cornerstone resource for students and professionals alike. With a profound understanding of both accounting principles and educational methodologies, Garrison has dedicated much of his career to enhancing the comprehension of financial decision-making processes within organizations. His expertise is grounded in extensive academic experience, having held significant teaching positions at prominent institutions, where he has contributed to the development of future accountants and business leaders. Through his work, Garrison has successfully bridged the gap between theory and practice, making complex accounting concepts accessible and relevant to real-world business environments.







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## **Chapter 1 Summary: Managerial Accounting and the Business Environment**

In the realm of modern business, managerial accounting has shifted from a traditional role of merely recording and reporting financial data to a more dynamic function that plays a critical part in strategic decision making and value creation. Management accountants are no longer perceived as just "bean-counters" but as vital contributors who provide essential insights and analytical support to managers. Their expertise encompasses various areas, including cost management, performance measurement, and risk management, enabling them to influence operational and strategic decisions effectively.

As organizations navigate an increasingly complex landscape that incorporates social and environmental responsibilities, management accountants are tasked with understanding the diverse needs of stakeholders—from suppliers and customers to employees and the broader community. This expanded role underscores the importance of adhering to professional ethics, as management accountants face scrutiny in the wake of corporate scandals that have highlighted the need for integrity, confidentiality, and competence. Breaches of ethical standards can lead to serious repercussions, including expulsion from professional bodies.

Management accounting serves as a foundation for several core activities



that managers undertake, namely planning, directing and motivating, controlling, and decision making. 1 Managers are responsible for establishing goals and the methods to achieve them. In the planning stage, for example, developing a comprehensive hiring strategy for a company involves setting objectives for recruitment, budget allocation, and evaluating potential candidates. Similarly, effective decision making hinges on the ability to analyze relevant data, forecast trends, and choose optimal courses of action to meet organizational goals.

2 The distinction between managerial accounting and financial accounting lies primarily in their purpose and audience. Managerial accounting focuses on providing internal stakeholders with timely, relevant information for strategic planning, often employing non-financial data and estimates to inform future decisions. In contrast, financial accounting is concerned with compliance and reporting standardized historical financial information to external parties, adhering strictly to Generally Accepted Accounting Principles (GAAP).

Understanding managerial accounting necessitates a clear comprehension of the work performed by managers and the business environment within which they operate. **3** Managers need reliable accounting information to inform their decisions, which can encompass everything from product development to evaluating profitability across different segments of the organization. The concept of decentralization often surfaces, granting

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lower-level managers the authority to make significant decisions to enhance responsiveness and operational efficiency.

4 A critical aspect of modern business processes is the integration of concepts such as lean production, enterprise systems, and risk management. Lean production emphasizes the efficiency of operations by reducing waste and aligning production closely with customer demand, known as just-in-time production. An effective enterprise system consolidates data across various departmental functions, ensuring a seamless flow of information that enhances decision-making capabilities. Additionally, proactive risk management practices identify and mitigate potential threats, safeguarding the organization's objectives.

5 Finally, the role of ethics in business cannot be overstated, particularly following high-profile scandals that have underscored the need for corporate governance and social responsibility. Organizations are increasingly recognizing their obligation to conduct operations ethically while addressing the interests of all stakeholders involved. Adopting a formal code of conduct helps establish clear behavioral standards that guide employees' interactions with all parties, enhancing trust and operational integrity. Moreover, the Sarbanes-Oxley Act of 2002 was enacted to strengthen corporate accountability and protect stakeholders from unethical practices, marking a significant development in corporate governance.



In conclusion, managerial accounting not only supports the basic management functions of planning, directing and motivating, controlling, and decision making but also plays a pivotal role in ensuring ethical standards and corporate social responsibility in today's complex business environment. The frameworks established through managerial accounting provide the foundation for sustainable organizational success amid dynamic market conditions.





## **Critical Thinking**

Key Point: The Importance of Ethical Standards

Critical Interpretation: Embracing ethical standards in your personal and professional life can profoundly impact relationships and decisions.





## Chapter 2 Summary: Cost Terms, Concepts, and Classifications

Chapter 2 of "Managerial Accounting" by Ray H. Garrison introduces foundational concepts crucial for understanding costs in business contexts, particularly in manufacturing. The chapter elucidates various cost classifications, examines cost flows through financial statements, discusses cost behavior, and outlines essential principles necessary for effective decision-making.

- 1. Manufacturing Cost Categories: In manufacturing, costs are generally classified into three categories: direct materials, direct labor, and manufacturing overhead. Direct materials refer to raw materials that are integral to the finished product, such as the wood in furniture or metal in machinery. Direct labor encompasses all labor costs that can be directly traced to the production of goods, while manufacturing overhead includes all other manufacturing costs that cannot be directly tied to specific units, such as factory utilities and indirect labor.
- 2. **Product Costs vs. Period Costs**: Costs are further segmented into product costs, which are associated with manufacturing and included as inventory on the balance sheet until sold, and period costs, which are expensed in the period they are incurred. The distinction is vital for accurately preparing financial statements and understanding profitability.



Examples of product costs include direct materials and labor, while period costs encompass selling and administrative expenses.

- 3. **Income Statement Preparation**: The chapter details how to prepare an income statement for manufacturing and merchandising firms, emphasizing the calculation of the cost of goods sold (COGS). COGS is derived from the beginning inventory, adding purchases made during the period and subtracting the ending inventory.
- 4. **Cost of Goods Manufactured Schedule**: This section illustrates how to prepare a schedule of cost of goods manufactured by summing direct materials used, direct labor costs, and manufacturing overhead. It is essential for determining how much product was completed in a given period.
- 5. **Cost Behavior**: Understanding how costs change with variations in business activity is critical. Costs are classified as variable (changing proportionately with the level of activity) or fixed (remaining constant regardless of activity changes). This knowledge helps managers predict costs accurately for budgeting and planning purposes.
- 6. **Direct vs. Indirect Costs**: Costs must also be categorized as direct (traced directly to a product or department) or indirect (not easily traced and typically allocated). This classification is crucial in cost accounting, where the need to allocate indirect costs affects pricing and financial reporting.



7. **Decision-Making Cost Classifications**: The chapter emphasizes the importance of understanding differential costs (cost differences between alternatives), opportunity costs (benefits foregone by choosing one alternative over another), and sunk costs (costs already incurred that should not influence future decisions). Effective managerial decision-making relies on focusing only on relevant costs while ignoring sunk costs that do not change with a decision.

Overall, Chapter 2 serves as a comprehensive guide to understanding costs in a managerial context. Clear distinctions among cost types and categories underpin effective financial reporting and decision-making processes, ultimately contributing to a business's profitability and operational efficiency. The principles outlined in this chapter provide essential tools for managers in various scenarios, reinforcing the importance of precise cost analysis in business strategy and operations.





### **Critical Thinking**

**Key Point: Understanding Cost Behavior** 

Critical Interpretation: Imagine navigating through life's decisions with the knowledge of how costs fluctuate with your choices. Just as understanding variable and fixed costs enables a manager to predict budget needs effectively, grasping the essence of cost behavior can empower you to make informed personal and financial decisions. When faced with options—whether that's spending on a new car or the overhead of a home renovation—you'll realize that some costs will change with your activity, while others remain steadfast. Recognizing this distinction allows you to allocate resources wisely, ensuring that your financial commitments align with your life goals. It's a lesson in mindfulness; by analyzing your expenses just like a savvy manager, you can optimize your choices and enhance your quality of life—maximizing benefits while minimizing unnecessary burdens.





### Chapter 3: Cost Behaviour: Analysis and Use

In this chapter, we delve into the intricacies of cost behavior analysis, which is pivotal for effective managerial decision-making. Understanding how costs behave—whether they are fixed, variable, or mixed—enables managers to predict costs associated with various levels of business activity, guiding them in strategic planning and operational improvements.

- 1. Understanding Cost Behavior: A primary premise of this chapter is to clarify the distinction between variable and fixed costs. Variable costs fluctuate directly with the level of activity, while fixed costs remain constant regardless of activity levels within a relevant range. This fundamental understanding assists managers in cost prediction across operational scenarios, reducing the risk of erroneous decision-making that could negatively impact profitability.
- 2. Types of Costs: The chapter introduces mixed costs, which embody features of both fixed and variable costs. For instance, a van's lease payment may be constant (fixed), coupled with variable costs proportional to usage,

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## **Chapter 4 Summary: Cost–Volume–Profit Relationships**

In the realm of managerial accounting, Chapter 4 delves into the critical concept of Cost-Volume-Profit (CVP) analysis, fundamental for understanding the interplay between costs, sales volume, and profits. Central to airlines, for instance, is the break-even load factor—the percentage of seats that must be sold to cover costs and achieve zero profit. This critical metric hinges on a balance of fixed costs, variable costs, and ticket pricing, with larger airlines typically facing higher break-even load factors due to greater fixed expenditures. Notably, recent reports indicate that major carriers like Air Canada and WestJet operated above their break-even load factors, reflecting positive operational performance.

- 1. Impact of Activity on Contribution Margin and Operating Income: U nderstanding the effects of changes in activity level on contribution margins and operating income forms a cornerstone of CVP analysis. As activity levels rise, the contribution margin—a measure of revenue remaining after variable costs—impacts profit figures. Managers must grasp these relationships for strategic decision-making regarding pricing and cost structure.
- 2. **Cost-Volume-Profit Graphs:** A useful visualization tool is a CVP graph that demonstrates revenue and cost relations across varying activity levels. Plotting fixed costs as a horizontal line and total expenses as an



inclined line enables managers to quickly identify the break-even point and profit/loss scenarios at different sales volumes.

- 3. **Contribution Margin Ratio Effects:** The contribution margin ratio provides insight into how changes in sales volume affect overall profit, allowing managers to forecast potential increases or decreases in operating income based on expected sales adjustments.
- 4. **Effects of Variable and Fixed Costs:** A manager engaged in CVP analysis must adeptly navigate adjustments in variable costs, fixed costs, selling prices, and sales volume to forecast their impact on overall contribution margins.
- 5. **Break-Even Point Calculations:** Determining the break-even point is crucial; it can be executed through either the equation method or the formula method, offering quick insight into required sales volumes for financial sustainability.
- 6. **Sales Level for Target Profit:** Managers can leverage CVP formulas to ascertain necessary sales levels to attain desired profit targets, useful for budgeting and strategic planning.
- 7. **Margin of Safety Calculation:** A critical measure of risk, the margin of safety reflects the extent to which sales can decline before the business



incurs losses. A higher margin denotes lower financial risk.

- 8. **Cost Structure Analysis:** The mix of fixed and variable costs—cost structure—shapes profitability under varying sales conditions. Companies with higher fixed costs may see greater profit swings during sales fluctuations, influenced by their degree of operating leverage.
- 9. **Multi-Product Break-Even Computations:** For companies offering multiple products, analyzing sales mix and its effects on contribution margins and break-even points becomes essential. Changes in the sales mix can significantly influence overall profitability.
- 10. **Role of Assumptions in CVP Analysis:** While CVP analysis relies on several assumptions—like constant selling prices and linear cost behaviors—managers must recognize and validate these conditions in practice to ensure accurate forecasting and strategic decisions.

As exemplified in managerial case studies and hypothetical situations, understanding these principles equips leaders to make informed decisions regarding cost management, pricing strategies, and operational adjustments, ultimately fostering corporate resilience in a competitive marketplace.

Section	Summary	





Section	Summary
Cost-Volume-Profit (CVP) Analysis	Focuses on the relationship between costs, sales volume, and profits; vital for understanding break-even metrics in industries like airlines.
Impact of Activity on Contribution Margin and Operating Income	Activity level changes affect contribution margins and profits; crucial for strategic pricing and cost management decisions.
Cost-Volume-Profit Graphs	CVP graphs visualize revenue and costs across activity levels, aiding in quick identification of break-even points.
Contribution Margin Ratio Effects	Shows how sales volume changes affect profit, helping managers forecast operating income changes.
Effects of Variable and Fixed Costs	Managers must adjust variable and fixed costs and sales prices to evaluate their impact on contribution margins.
Break-Even Point Calculations	Essential for determining financial sustainability; can be calculated using various methods.
Sales Level for Target Profit	CVP formulas help determine sales needed to reach profit targets, crucial for strategic planning.
Margin of Safety Calculation	A measure of financial risk, indicating how much sales can decline before losses occur; a higher margin signals lower risk.
Cost Structure Analysis	Examines fixed vs. variable cost impacts on profitability, influencing profit volatility with sales changes.
Multi-Product Break-Even Computations	Analyzing the sales mix is essential for determining overall profitability in companies with multiple offerings.
Role of Assumptions in CVP Analysis	CVP analysis is based on assumptions that must be validated for accurate forecasting and strategic decisions.
Real-World Application	Understanding CVP principles aids managers in making informed decisions regarding costs, pricing, and





Section	Summary
	operational adjustments.





### **Critical Thinking**

Key Point: Impact of Activity on Contribution Margin and Operating Income

Critical Interpretation: Consider how the principle of understanding the relationship between activity levels, contribution margins, and operating income can inspire you. Just as managers leverage this knowledge to navigate their business strategies, you can apply this concept to your personal life. Acknowledge the activities you engage in and recognize how they contribute to your overall wellbeing—each task you undertake can either add to your happiness or detract from it. By identifying which activities boost your emotional contribution margin, you can make informed decisions about how to allocate your time and energy most effectively. Embrace the power of intentionality and strategic choice in your daily life, allowing you to enhance your joy and satisfaction while minimizing stress and regret.





## Chapter 5 Summary: Systems Design: Job-Order Costing

Job-order costing is an essential approach for accurately determining the cost of producing distinct products or services, and this chapter explores its frameworks and applications notably through the case study of IceJerseys.com. IceJerseys.com allows customers to create custom-designed hockey jerseys by providing an online tool that helps with their specifications. The complexity of pricing these custom products heavily relies on detailed and accurate costing information to ensure not just coverage of production costs but also a competitive pricing strategy.

- 1. An understanding of the differences between process costing and job-order costing is crucial. Process costing is typically employed when a company generates many identical products, while job-order costing is suited for various specific jobs. For instance, a clothing manufacturer may use job-order costing for unique clothing styles designed for particular clients.
- 2. The chapter delineates the flow of costs within a job-order costing system, illustrating how costs are traced and allocated to specific jobs or batches. Costs generally fall into three categories: direct materials, direct labor, and manufacturing overhead. The tracking includes the recording of costs as they are incurred and their application to jobs based on predetermined overhead rates.



- 3. A pivotal aspect discussed is the computation of the predetermined overhead rate, which is calculated by estimating total manufacturing overhead costs against the total estimated allocation base. This predefined rate allows companies to apply overhead costs consistently throughout the period, which aids in controlling operational expenditures.
- 4. The recording of costs in journals and posting to job cost sheets forms the backbone of a robust job-order costing system. As jobs progress through the production cycle, all cost elements are maintained and updated, ensuring that management can evaluate and monitor job costs accurately.
- 5. Furthermore, the chapter delves into calculating the cost of goods manufactured and the cost of goods sold using job cost sheets and how estimates of actual overhead impact overall financial reporting. This includes recognizing whether manufacturing overhead is underapplied or overapplied and the necessary adjustments for accurate financial disclosures.
- 6. In handling the complications that arise from estimating overhead, particularly the importance of understanding the use of predetermined rates, the chapter illustrates the necessity of aligning applied overhead with actual overhead incurred for accurate expense tracking.
- 7. Strategies for addressing underapplied or overapplied overhead are



outlined, with options for adjusting entries at the period's end to maintain accurate reflections of company performance and inventory valuations.

8. The chapter identifies the broader implications of cost assignments and the significance of job-order costing in diverse industries, including service sectors. It emphasizes how firms utilizing job-order costing must continuously adapt their pricing and production strategies based on actual job costs and market conditions.

Through the detailed exploration of myriads of complexities and records in job-order costing systems, the chapter sheds light on the indispensable role of accurate costing in managing a business's financial health, competitiveness, and operational efficiency.

Key Concepts	Description
Job-order Costing	Approach for determining costs of unique products or services, crucial for competitive pricing.
Comparison with Process Costing	Job-order costing is for distinct jobs, while process costing applies to mass-produced identical items.
Cost Flow in Job-order System	Costs are categorized as direct materials, direct labor, and manufacturing overhead, tracked and applied to specific jobs.
Predetermined Overhead Rate	Calculated by estimating total manufacturing overhead costs over a chosen allocation base for consistent cost application.
Cost Recording	Costs are recorded in journals and posted to job cost sheets for monitoring and evaluation.





Key Concepts	Description
Cost of Goods Manufactured/Sold	Calculated using job cost sheets, recognizing over- or under-applied overhead for accurate financial reporting.
Handling Estimations	Align applied overhead with actual incurred overhead for correct expense tracking and reporting.
Adjusting Overhead Costs	Strategies for addressing underapplied or overapplied overhead through end-of-period entries.
Industry Implications	Job-order costing is relevant across various industries, necessitating adaptability in strategies based on actual costs and market conditions.
Overall Importance	Accurate costing is vital for financial health, competitiveness, and operational efficiency of a business.





### **Chapter 6: Systems Design: Process Costing**

Chapter 6 of "Managerial Accounting" by Ray H. Garrison delves into the principles and methods of process costing, essential for manufacturing environments where identical products are produced continuously. It provides an extensive overview of how to record the flow of materials, labor, and overhead within a process costing system, compute equivalent units of production, and reconcile costs effectively.

- 1. **Process Costing System Overview**: Process costing is utilized when a company produces homogeneous goods in a continuous flow. Unlike job-order costing, which tracks costs by individual jobs, process costing accumulates costs by department. Each department performs uniform operations on all units, leading to an average cost calculated from the total costs divided by the total output.
- 2. Flow of Costs: The chapter emphasizes how costs are recorded through various stages of production. It explains that each processing department has its own Work in Process (WIP) account. As goods move

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## Chapter 7 Summary: Activity-Based Costing: A Tool to Aid Decision Making

Chapter 7 of "Managerial Accounting" by Ray H. Garrison elaborates on Activity-Based Costing (ABC) as a critical tool for decision-making in organizations, emphasizing its advantages over traditional costing approaches. This summary captures the key points:

- 1. Understanding Activity-Based Costing: ABC is a costing method that assigns costs to products based on the activities that generate costs. This approach allows organizations to gain insights into both manufacturing and non-manufacturing costs, making it particularly effective in environments with varied product lines and complexities. By contrast, traditional costing systems generally allocate costs uniformly across products, leading to inaccuracies.
- 2. **Overhead Allocation in ABC**: ABC distinguishes between several levels of activities—unit-level, batch-level, product-level, customer-level, and organization-sustaining activities. This differentiation allows for a more nuanced allocation of costs, as specific activities can be closely tied to the costs incurred. For example, unit-level activities occur each time a unit is produced, whereas batch-level activities are incurred per batch regardless of the number of units produced.



- 3. **First-Stage and Second-Stage Allocations**: The ABC process involves two stages of cost allocation. Firstly, costs are assigned to activity cost pools based on the resources consumed by each activity identified. Secondly, these costs are allocated to cost objects, such as products and customers, using activity rates calculated from the total costs in activity pools and their respective activity measures.
- 4. Using ABC for Product and Customer Margins: Organizations like Classic Brass Inc. illustrate the application of ABC in computing product and customer margins. By dissecting overhead costs, management can identify profitability not just per product but also in relation to specific customer behaviors, thus empowering strategic decisions regarding pricing and customer relationships.
- 5. Comparison with Traditional Costing When comparing product costs derived from traditional costing and ABC, significant differences emerge due to the focus on actual resource consumption in ABC. Traditional systems typically overcost high-volume products and undercost low-volume products through average allocation based on volume measures. ABC provides clearer insights, often leading to a re-evaluation of product profitability.
- 6. **Insights and Limitations in Implementation**: Transitioning to ABC necessitates strong organizational support and the involvement of various



departments. Although it offers improved insights over traditional methods, challenges include the complexity of the system and the need for continuous data collection and analysis.

7. **Use in External Reporting**: While more accurate for internal decision making, ABC's applicability for external financial statement preparation is limited. Adjustments are often necessary to align with Generally Accepted Accounting Principles (GAAP).

The chapter emphasizes that understanding and implementing ABC can lead to more informed strategic decisions, allowing organizations to optimize their resources, refine their cost structures, and ultimately enhance profitability. The richness of ABC lies in how it aligns costs more closely with the activities that drive those costs, offering clearer visibility into the profitability of products and customers.

Key Point	Description
Understanding Activity-Based Costing	ABC assigns costs to products based on activities, providing insights into manufacturing and non-manufacturing costs, unlike traditional methods.
Overhead Allocation in ABC	ABC details activities into unit-level, batch-level, product-level, customer-level, and organization-sustaining categories for precise cost allocation.
First-Stage and Second-Stage Allocations	Costs are assigned to activity cost pools based on resource usage, and subsequently allocated to cost objects using calculated activity rates.





Key Point	Description
Using ABC for Product and Customer Margins	ABC helps assess product and customer profitability, aiding strategic decisions on pricing and customer relations.
Comparison with Traditional Costing	ABC provides clearer cost insights, often re-evaluating product profitability compared to traditional costing that may distort costs.
Insights and Limitations in Implementation	Implementing ABC requires organizational support and faces challenges like complexity and the need for ongoing data collection.
Use in External Reporting	ABC is more suitable for internal decisions; however, adjustments must be made for GAAP compliance in external reporting.



### **Critical Thinking**

Key Point: Embracing Activity-Based Costing for Better Decision-Making

Critical Interpretation: Imagine you're at a crossroads in your life, faced with decisions about how to allocate your time, energy, and resources. Just like Activity-Based Costing (ABC) helps organizations see the true costs behind their activities, you too can benefit by examining which of your daily activities genuinely contribute to your personal growth and happiness. By understanding the 'activity levels' of your life—what brings you joy, what drains your energy, and what propels you toward your goals—you can make more informed choices, prioritize your tasks, and ultimately lead a more fulfilled and efficient life. This insight allows you to invest in relationships and activities that truly matter, transforming your journey into a more rewarding experience.





## Chapter 8 Summary: Variable Costing: A Tool for Management

In this chapter, we delve into the distinctions and implications of variable costing and absorption costing, two fundamental methods for determining product costs and reporting profitability.

- 1. Comparison of Costing Methods: The chapter introduces two central costing approaches. Under absorption costing, all manufacturing costs—both variable and fixed—are assigned as product costs. Conversely, variable costing only attributes variable manufacturing costs (direct materials, direct labor, and variable overhead) to products, treating fixed manufacturing overhead as a period expense. This fundamental distinction sets the groundwork for varied influencing factors on reported income.
- 2. **Income Statements Preparation**: Students learn to prepare income statements using both methodologies. The understanding of how fixed manufacturing costs behave differently in reporting is critical as it teaches how these costs can lead to discrepancies in reported profits. Under absorption costing, profits can be inflated by producing more units than are sold, as fixed costs are spread across more units, leading to a deferral of costs into inventory.
- 3. **Reconciling Operating Income**: The chapter illustrates how to



reconcile operating incomes derived from both costing methods. It elaborates on why differences emerge, often tied to inventory fluctuations. For instance, if production exceeds sales, more fixed costs are deferred to inventory under absorption costing, resulting in higher reported income compared to variable costing, where all fixed costs are expensed immediately.

- 4. Advantages and Disadvantages: The contrasting benefits of both costing methods lead to important managerial implications. Variable costing offers clearer insights into cost behaviors and is more useful for internal decision-making and short-term planning due to its focus on contribution margin and cash flow. In contrast, absorption costing is more aligned with external financial reporting requirements but can obscure the true profitability of units if managers focus excessively on inventory levels.
- 5. **Real-World Implications**: The chapter expands upon these theoretical frameworks by providing real-world contexts, such as the case of large automakers prior to financial crises, illustrating the potential pitfalls of reliance on absorption costing including the propensity for unethical practices like artificially inflating profits through excessive production leading to increased inventories.

In summary, understanding the nuances of variable and absorption costing is essential for accurate financial reporting and internal decision-making.





Managers should be particularly aware of how these methods impact not only financial results but also operational strategies, particularly in contexts of inventory management and production efficiency.





#### **Chapter 9: Budgeting**

In this chapter on budgeting from "Managerial Accounting" by Ray H. Garrison, several key elements and concepts surrounding budgeting in organizations are delineated. Organizations across various sectors utilize budgets as a strategic tool to guide financial planning, resource allocation, and performance evaluation.

- 1. **Purpose and Benefits of Budgeting**: Organizations engage in budgeting to set forth a quantified financial plan that serves both as a communication tool for management's goals and as a mechanism for controlling resources and evaluating performance. The benefits of a well-structured budgeting process include better understanding of organizational objectives by employees, forward-thinking resource allocation, identification of potential bottlenecks, integrated operational coordination, and establishment of benchmarks for performance evaluation.
- 2. **Master Budget Framework**: The master budget is a comprehensive financial blueprint that unfolds through a series of interrelated components,

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# Chapter 10 Summary: Standard Costs and Overhead Analysis

Chapter 10 of "Managerial Accounting" by Ray H. Garrison centers around the utilization of standard costs and overhead analysis within management accounting. This chapter addresses how standards are established, the significance of varying cost components, the intricacies of overhead variances, and the essential practices for performance evaluation in manufacturing contexts. Here is a comprehensive summary structured to ensure smooth reading while capturing essential information:

- 1. **Setting Standards**: The establishment of direct materials and direct labor standards is crucial for effective cost management. Direct materials standards encompass the expected quantity and cost per unit, incorporating factors such as purchase price, freight, handling, and allowances for waste. Similarly, direct labor standards are articulated as the anticipated labor rate and the time required per unit, considering not only the wages but also benefits and overhead.
- 2. **Cost Variances**: Understanding cost variances, which are differences between actual and standard costs, is imperative for managerial decision-making. Direct materials variances, encompassing price and quantity variances, signal areas for investigation. Price variances indicate discrepancies in buying costs, while quantity variances indicate



inefficiencies in material usage. Direct labor variances similarly address rate (cost of labor) and efficiency (time taken to complete tasks), providing insight into workforce productivity and cost efficiency.

- 3. **Overhead Analysis**: Variable manufacturing overhead is addressed through spending and efficiency variances. Spending variances assess the difference between actual variable overhead costs and what should have been incurred based on activity levels. Efficiency variances, on the other hand, highlight the productivity of direct labor as it relates to overhead application. This analysis is essential for controlling costs by pinpointing inefficiencies or excesses.
- 4. **Fixed Overhead Variances** Fixed overhead differs significantly from variable overhead since it does not fluctuate based on production levels within a relevant range. The chapter details how to calculate the fixed overhead budget variance—indicating whether actual fixed overhead costs overshot or fell short of the budgeted amount—and the volume variance, which reflects utilization of fixed capacity resources.
- 5. **Performance Reporting**: The generation of overhead performance reports, incorporating both variable and fixed costs, provides essential management insights. Reporting these variances helps to isolate issues requiring managerial attention and to maintain effective control over production costs.



- 6. Variance Investigation: It's crucial for managers to focus their investigation on significant variances that warrant scrutiny. Factors influencing the analysis include the dollar amount of a variance and its relative size compared to total spending. Statistical methods and control charts can aid in identifying variances that exceed normal fluctuations.
- 7. Capacity Utilization: Capacity analysis plays a pivotal role in strategic management. Distinguishing between theoretical capacity (the maximum output under perfect conditions) and practical capacity (output considering unavoidable downtime) allows for critical insights into operational efficiency. Evaluating capacity utilization against market demand facilitates informed decision-making related to labor and production scheduling.
- 8. **Significance of Standards**: Ultimately, the use of standard costs serves not only as a means of internal cost control but also as a motivational tool for employees. However, ethical concerns emerge when performance management based on variances leads to undesirable behaviors, such as compromising product quality to meet cost targets. Managers must balance the pursuit of cost efficiency with quality and long-term strategies.
- 9. **Additional Analysis**: In instances where materials involve complex interactions, the calculation of mix and yield variances allows for deeper



analysis. These variances assess not just the total usage of materials but also the impact of using a suboptimal mix of inputs which can lead to inefficiencies in production.

10. **Accounting Entries**: The chapter concludes with a discussion of how to formally record variances in accounting systems. This formalization emphasizes the management's commitment to maintaining costs close to set standards and simplifies the overall accounting process for materials and labor.

In summary, effective management of standard costs and overhead analysis requires a systematic and nuanced understanding of the various cost elements, performance measurement techniques, and their implications for operational performance and managerial accountability. The chapter serves as a guide for managers aiming to refine their cost control mechanisms while ensuring product quality and operational efficiency.

Section	Summary
Setting Standards	Establishment of direct materials and labor standards is vital for cost management, covering quantities, costs, labor rates, and overhead considerations.
Cost Variances	Cost variances, differences between actual and standard costs, are essential for decision-making, revealing inefficiencies in material usage and labor productivity.
Overhead	Analysis focuses on spending and efficiency variances of variable





Section	Summary
Analysis	overhead, highlighting cost control and productivity issues.
Fixed Overhead Variances	Details the calculation of budget and volume variances to assess actual vs budgeted fixed overhead costs and fixed capacity utilization.
Performance Reporting	Overhead performance reports provide insights into variances which help managers maintain control over production costs and identify issues.
Variance Investigation	Focusing on significant variances for investigation is crucial, employing statistical methods to identify anomalies.
Capacity Utilization	Analysis of theoretical vs practical capacity informs operational efficiency and decision-making in labor and production planning.
Significance of Standards	Standard costs aid in cost control and can motivate employees, though may also lead to ethical concerns regarding product quality.
Additional Analysis	Mix and yield variances provide deeper insights into material usage, addressing inefficiencies in production due to mix quality.
Accounting Entries	The formal recording of variances emphasizes commitment to cost control and simplifies accounting for materials and labor.





### **Chapter 11 Summary: Reporting for Control**

Chapter 11 of "Managerial Accounting" by Ray H. Garrison delves into the essential aspects of measuring and managing organizational performance through reporting techniques and frameworks. The chapter emphasizes the importance of comprehensive reporting methods for effective control and performance evaluation of segments within an organization.

- 1. A key component is the segmented income statement, prepared using the contribution format, which distinguishes between traceable fixed costs and common fixed costs. Traceable fixed costs are directly tied to specific segments and would disappear if the segment was eliminated. Conversely, common fixed costs benefit multiple segments and are not assigned to any single segment in reporting. Understanding these distinctions is crucial for accurate performance measurement.
- 2. Responsibility centers are categorized into three types: cost centers, profit centers, and investment centers. Cost centers focus solely on cost control, profit centers encompass responsibility for both costs and revenues, while investment centers also include oversight of asset investments. Performance is assessed differently across these centers; cost centers are measured against budgeted costs, profit centers against profit targets, and investment centers often evaluated through ROI and residual income metrics.



- 3. Return on Investment (ROI) is a pivotal measure that assesses the efficiency of investment centers by relating operating income to average operating assets. This metric allows for comparative performance analysis across divisions or companies. A critical aspect of ROI is its divisibility into margin (operating income to sales) and turnover (sales to average operating assets), offering insights into profitability relative to asset usage.
- 4. Residual income serves as another performance measurement that highlights the income generated above the minimum required return on assets. This metric addresses some limitations of ROI by encouraging managerial decision-making that aligns with overall company profitability rather than merely maintaining current ROI levels. Despite its advantages, residual income may complicate performance comparisons across units of varying sizes.
- 5. The balanced scorecard is introduced as a holistic approach to performance assessment, integrating both financial and non-financial measures. This framework ties performance metrics to strategic objectives, facilitating a comprehensive view of organizational health. Through monitoring metrics related to financial performance, customer satisfaction, internal business processes, and organizational growth, companies can foster continuous improvement.
- 6. A nuanced aspect of performance measurement explored in the chapter



involves setting transfer prices between departments. This requires understanding the range within which a negotiated transfer price should lie, ensuring it benefits both the selling and purchasing departments while promoting overall company profitability.

- 7. Quality costs are classified into four categories: prevention, appraisal, internal failure, and external failure costs. This classification aids organizations in identifying and controlling costs related to quality management while supporting operational efficiency.
- 8. Allocating service department costs to operating departments can be accomplished using different methods, including the direct method and the step-down method. These approaches allow organizations to accurately reflect the costs incurred by service departments, ensuring that operational departments are appropriately charged.

In summary, understanding these various performance measurement techniques and frameworks is crucial for organizational leaders looking to optimize operations, strategize effectively, and ultimately boost profitability in a competitive business landscape. The chapter not only highlights the importance of various performance measurements but also encourages a sophisticated approach to incorporate both financial and non-financial perspectives to align with broader organizational goals.



#### **Chapter 12: Relevant Costs for Decision Making**

#### **Summary of Relevant Costs for Decision Making**

In the realm of managerial accounting, decision-making hinges on the analysis of relevant costs. These costs are future-oriented expenses that will vary based on the decision options under consideration. This chapter examines the critical nature of identifying and evaluating relevant costs to inform strategic management decisions, particularly regarding product offerings.

#### 1. Understanding Relevant Costs:

Relevant costs, identified as avoidable costs, differ across the options considered. For instance, fixed costs that remain constant regardless of the decision are considered irrelevant. Sunk costs—those already incurred and unrecoverable—also do not influence decision-making since they cannot be changed by future actions. Differentiating between relevant and irrelevant

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### **Chapter 13 Summary: Capital Budgeting Decisions**

Chapter 13 of "Managerial Accounting" by Ray H. Garrison focuses on capital budgeting decisions, outlining methods and principles that assist managers in evaluating potential investments. The chapter is structured around key learning objectives, capital budgeting processes, and various techniques to analyze investments, specifically within capital-intensive environments like Barrick Gold Corporation. Below is a detailed summary, organized numerically for clarity.

- 1. Investment Evaluation Techniques Capital budgeting involves assessing potential projects to determine their viability and profitability. The chapter emphasizes two critical methods: Net Present Value (NPV) and Internal Rate of Return (IRR). The NPV method evaluates projects by comparing the present value of cash inflows to the present value of cash outflows. A project is deemed acceptable if the NPV is zero or positive. Conversely, the IRR method calculates the discount rate that equates these values, and projects with an IRR greater than the required return are considered beneficial.
- 2. **Uncertain Cash Flows**: The chapter addresses how to deal with projects that involve uncertain cash flows. Understanding risk and variability is crucial for making informed decisions. One approach includes sensitivity analysis to adjust projections based on varying assumptions,



while scenario analysis can help assess the impact of different financial outcomes.

- 3. **Ranking Investment Projects**: After evaluating projects, managers must rank them to maximize the use of limited capital resources. The chapter suggests that both NPV and the profitability index (PI), calculated as the ratio of NPV to investment cost, can serve as tools for ranking projects. Projects should be ordered based on their expected return and the resource consumption they entail.
- 4. **Payback Period Method**: This method calculates the time it will take for an investment to generate enough cash flows to recover its initial cost. While simple to calculate and useful for liquidity considerations, it does not account for the time value of money or cash flows beyond the payback period.
- 5. **Simple Rate of Return**: This measure calculates the return from an investment based on its incremental operating income divided by the initial investment cost. Like the payback period, it does not consider the time value of money, which limits its usefulness for long-term project evaluations.
- 6. **Present Value Concepts** Understanding present value and its calculations is fundamental in capital budgeting. Concepts such as annuities, ordinary annuities, and annuities due are intertwined with present



value calculations. Knowledge of how to discount future cash flows back to their present value allows managers to accurately assess investment viability.

- 7. **Incorporating Income Taxes** The implications of income taxes on cash flows must be considered in capital budgeting. The after-tax effect on cash expenses (which reduces taxable income) and the capital cost allowance (CCA) for depreciation are critical in defining the net cash inflows that will affect project profitability.
- 8. **Post-Audits of Investment Projects**: Post-audit analysis compares actual financial results to expectations post-decision. This process ensures accountability and fosters more realistic estimates in future budgeting. It serves to enhance the capital budgeting process by clarifying the accuracy of prior analyses.
- 9. **Behavioral Considerations**: Managerial biases and organizational politics can influence capital budgeting decisions. Attitudes toward risk and the desire to present favorable estimates can cloud judgment, necessitating checks and balances within the decision-making process. Regular audits help mitigate these risks.

In summary, capital budgeting is a vital aspect of managerial accounting, requiring a comprehensive understanding of financial principles, risk





assessment, and strategic insight. Utilizing techniques like NPV and IRR, while considering tax implications and conducting post-audits, can lead to informed, financially sound investment decisions that enhance organizational profitability over the long term.

Section	Summary
1. Investment Evaluation Techniques	Emphasizes NPV and IRR methods for assessing project viability and profitability. NPV compares present value of cash inflows to outflows; IRR finds the discount rate equating both.
2. Uncertain Cash Flows	Discusses managing risk and variability through sensitivity and scenario analyses to understand cash flow projections.
3. Ranking Investment Projects	Recommends using NPV and Profitability Index (PI) for ranking projects based on expected return and resource consumption.
4. Payback Period Method	Calculates time required to recover initial investment but does not account for the time value of money.
5. Simple Rate of Return	Measures return based on incremental operating income, neglecting the time value of money, limiting long-term evaluation effectiveness.
6. Present Value Concepts	Fundamental understanding of present value and annuities is essential for accurate investment viability assessment.
7. Incorporating Income Taxes	Highlights the importance of after-tax cash flows and capital cost allowance for depreciation in project profitability analysis.
8. Post-Audits of Investment Projects	Compares actual results to expectations post-decision to ensure accountability and improve future budgeting accuracy.
9. Behavioral	Identifies biases and organizational politics affecting capital budgeting





Section	Summary
Considerations	decisions, advocating for checks and balances to mitigate risks.
Summary	Capital budgeting requires understanding of financial principles, risk assessment, and informed decision-making for long-term profitability.





### **Critical Thinking**

Key Point: Net Present Value (NPV) Method

Critical Interpretation: Imagine you are standing at the crossroads of decision-making, contemplating your next significant investment, whether it's launching a new business, purchasing a home, or investing in your education. The chapter's emphasis on the Net Present Value (NPV) method invites you to see beyond the immediate allure of potential returns. It encourages you to envision the future – to consider the value of cash flows not just as numbers, but as consequences of your choices that extend far into the possibilities of tomorrow. By prioritizing projects with a positive NPV, you're not merely evaluating financial prospects; you are learning the invaluable life lesson of looking ahead, weighing the risks and rewards, and investing not just in what seems profitable today, but in what will yield benefits in the long run. Each choice becomes a step on your journey towards a more promising future, reminding you that true wisdom lies in thoughtful planning and resilience.





# Chapter 14 Summary: Online Chapter Fourteen Financial Statement Analysis

Chapter 14 delves into the principles and practices surrounding financial statement analysis, which is crucial for evaluating a company's financial health and making informed predictions about its future.

- 1. Financial statements offer a historical overview of a company's performance over specific periods, often raising concerns among stakeholders about future developments. Shareholders are interested in prospective earnings and dividends, while creditors focus on the company's ability to settle debts. Managers too, are concerned about how the financial data reflects their operational success and influences external perceptions.
- 2. Financial statement analysis involves extracting pertinent information to project a company's future viability. This includes analyzing trends in financial data, comparing metrics across different firms, and utilizing significant financial ratios. Managers use these ratios as performance indicators within broader evaluation systems, aligning them with strategic objectives, such as inventory turnover for companies prioritizing customer responsiveness.
- 3. Two main limitations of financial statement analysis must be acknowledged: the issues of comparability of financial data across firms due



to varying accounting methods and the necessity for analysts to look beyond mere ratios for a comprehensive understanding of a company's situation.

- 4. The techniques used for financial analysis include horizontal analysis (which assesses changes over time), vertical analysis (which presents financial data as percentages of total figures), and ratio analysis. Analysts can gain deeper insights into trends by quantitatively measuring changes in dollar and percentage terms, leading to a better grasp of a firm's financial trajectory.
- 5. Horizontal analysis illustrates year-on-year changes, such as how a \$4 million increase in sales compared to a \$4.5 million increase in costs affords a clearer understanding of a company's profitability trajectory, while percentage changes aid analysts in appreciating the relative significance of financial developments.
- 6. Vertical analysis standardizes elements of financial statements to elucidate changes in structure over time. For example, common-size income statements highlight shifts in profitability metrics, such as the relationship between gross margin and overall sales. This aspect is critical for understanding how efficiently a company operates and reacts to changing market conditions.
- 7. Ratio analysis serves multiple stakeholders—investors and creditors



utilize key ratios like earnings per share, price-earnings ratios, and dividend yields to gauge a company's performance. For instance, the earnings per share metric, which indicates profit attributed to each share, is crucial for assessing the potential return on investment.

- 8. Short-term liquidity ratios like the current ratio and the acid-test ratio provide insight into a company's short-term financial strength, essential for creditors. For example, an optimal current ratio (often benchmarked at 2:1) varies by industry and reflects a company's ability to meet its obligations based on the liquidity of assets.
- 9. Long-term creditors examine solvency ratios such as the debt-to-equity and times interest earned ratios to assess a company's leverage and overall risk profile. A healthy times interest earned ratio indicates the firm's ability to cover its interest obligations from earnings, suggesting a lower risk for creditors.
- 10. The chapter concludes by offering a summary table of key financial ratios alongside their significance, along with various resources for industry benchmarks. It highlights the importance of data in guiding managerial decisions and investment strategies, empowering analysts to compare company performance consistently across similar enterprise profiles.

Through comprehensive financial analysis, stakeholders can derive

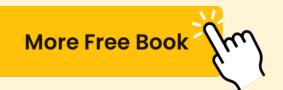


meaningful insights into a company's operations, performance, and potential growth, making such analysis fundamental to business management and investment decision-making.

Section	Summary
Introduction	Chapter 14 discusses financial statement analysis, key for evaluating a company's financial health and predicting future performance.
Importance of Financial Statements	They provide historical performance data, influencing stakeholders' views on future earnings and financial stability.
Analyzing Statements	Involves trend analysis, metric comparisons, and financial ratios, important for aligning with strategic business objectives.
Limitations	Challenges include comparability of data across firms and the need for a broader context beyond ratios.
Analysis Techniques	Includes horizontal analysis (time changes), vertical analysis (percentage data), and ratio analysis for financial insights.
Horizontal Analysis	Focuses on year-over-year changes in sales and costs to clarify profitability trends.
Vertical Analysis	Standardizes financial statement elements, useful for monitoring structural changes in performance metrics.
Ratio Analysis	Key for stakeholders; includes metrics like earnings per share for assessing investment returns.
Liquidity Ratios	Current and acid-test ratios show short-term financial strength critical for creditors (ideal current ratio is 2:1).
Solvency Ratios	Debt-to-equity and times interest earned ratios help long-term creditors evaluate financial risk and leverage.



Section	Summary
Conclusion	Provides a summary of key ratios and their significance, emphasizing the role of financial data in managerial and investment decisions.





#### Chapter 15: O

Chapter 15 of Ray H. Garrison's "Managerial Accounting" focuses on a deep understanding of the structures and systems used in accounting within various companies, highlighting key implications for managerial decision-making.

- 1. The importance of understanding company-specific accounting practices is emphasized at the outset. It is crucial for managers to have a comprehensive grasp of how their organization structures its financial data, as this knowledge plays a pivotal role in strategic planning and operational efficiency. Furthermore, managers must familiarize themselves with common accounting terms and principles to enhance communication across departments and facilitate effective decision-making.
- 2. The chapter explores the significance of financial statements, outlining their essential components like the balance sheet, income statement, and cash flow statement. These documents provide a snapshot of a company's financial health and performance over specific periods, enabling managers to

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#### Chapter 16 Summary: A

In Chapter 16 of "Managerial Accounting" by Ray H. Garrison, various key concepts related to accounting practices and methods are explored, particularly focusing on costing methodologies, decision-making processes, and financial reporting. Here's a detailed summarization of the critical principles and frameworks mentioned:

- 1. Absorption Costing: This method of accounting incorporates all manufacturing costs, including fixed and variable overhead, into product costs. It is essential for price quotations, presenting external reports, and internal decision-making. The chapter highlights the intricate relationship between absorption costing and traditional cost-volume-profit (CVP) analysis. It emphasizes reconciliation of operating income data, showing how absorption costing affects financial reporting.
- 2. Activity-Based Costing (ABC): ABC is a refined approach to costing that allocates overhead based on actual activities driving costs. The chapter defines key terms like activity cost pools, activity measures, and overhead cost pools, explaining their roles in calculating product margins and customer margins. This method distinguishes between different types of activities, such as batch-level and customer-level activities, providing a comprehensive framework for understanding how resources are consumed in manufacturing and service industries.



- 3. Cost Allocation: The chapter outlines various allocation bases, which are crucial for accurately attributing costs to products and services. It discusses the importance of appropriate selection of allocation bases for overhead costs, suggesting that improper choices might lead to significant inaccuracies in cost data. This underpins the necessity of robust cost allocation processes in management accounting.
- 4. Activity-Based Management (ABM): Building on ABC, ABM leverages the cost information derived from activity-based costing to enhance managerial decision-making and operational efficiency. The chapter emphasizes using activity data to identify process improvements and cost management strategies, which can help drive profitability and operational effectiveness in various organizational settings.
- 5. Financial Reporting and Standards: The text also covers the implications of these costing techniques on external financial reporting and compliance with accounting standards. It discusses the ethical dimensions and potential issues related to absorption costing, underscoring the need for transparent reporting practices and adherence to regulatory standards.
- 6. Income Effects and Operational Decisions: The relationship between different costing methods and their impact on operating income is scrutinized. For instance, absorption costing can result in different profit



figures compared to variable costing, affecting managerial decisions regarding pricing strategies and product profitability analysis.

7. Limitations and Challenges: The chapter scrutinizes the limitations of traditional costing methods, particularly in modern production environments where lean production principles are becoming prevalent. It encourages a reassessment of costing methods to ensure they align with current operational realities and provide actionable insights.

This chapter serves as a fundamental resource for understanding the various dimensions of managerial accounting, especially concerning the strategic use of costing information to support effective management and financial reporting practices. Through a comprehensive exploration of absorption costing, activity-based costing, and other related concepts, Garrison provides essential tools that can enhance decision-making and drive business success.



### Chapter 17 Summary: C

Chapter 17 of "Managerial Accounting" by Ray H. Garrison provides a comprehensive examination of crucial concepts pertaining to budgeting, cost management, and financial performance evaluation within organizations. It establishes foundational principles and frameworks that inform managerial decisions.

- 1. The **nature of budgeting** is examined, emphasizing that budgets serve as vital tools for planning and controlling resources. A budget, fundamentally, is an estimate of future financial performance designed to guide decision-making. The chapter notes the significance of a well-structured budget, highlighting both its advantages, such as enhanced financial discipline and forecasting accuracy, and its inherent limitations, like rigidity and potential for budgetary slack.
- 2. The **budgeting process** encompasses various stages, including preparing a master budget that integrates individual budgets—such as production, cash, and sales budgets—to provide a holistic view of an organization's expected financial activities over a specific period. Key elements include participative budgeting, which fosters involvement from various departments to derive consensus and commitment towards achieving organizational goals.



- 3. **Performance measures and integrated control systems** are featured prominently, with the balanced scorecard approach delineated as a strategic management tool that aligns business activities with the organization's vision and strategy. It incorporates financial and non-financial metrics that provide deeper insight into performance, facilitating the establishment of cause-and-effect relationships between operational activities and financial outcomes.
- 4. The chapter also discusses **cost concepts**, such as fixed and variable costs, and how understanding these can enable managers to predict cost behavior and make informed operational decisions. Differentiating costs by their nature, such as direct vs. indirect and avoidable vs. sunk costs, allows for effective cost allocation and management.
- 5. Cost-volume-profit (CVP) analysis is introduced as a fundamental technique that assesses how changes in cost and volume affect a company's operating income and net profit. The break-even point analysis—an essential component of CVP—helps businesses determine the sales level at which total revenues equal total costs, thereby providing critical insight into profitability.
- 6. The chapter assesses **capital budgeting practices**, which involve planning for capital investments and expenditures. This area scrutinizes various methodologies such as Net Present Value (NPV), Internal Rate of



Return (IRR), and Payback Period, examining their respective advantages and considerations for decision-making in resource allocation.

7. Lastly, the significance of **employee compensation and motivation** as a behavioral factor influencing performance outcomes is addressed. This linkage highlights the need for management to align rewards with organizational goals to foster employee engagement and productivity.

In conclusion, Chapter 17 encapsulates an array of fundamental concepts essential for sound managerial accounting practices. From effective budgeting and cost control techniques to strategic performance evaluation and capital budgeting, the chapter emphasizes the integration of financial management strategies to drive organizational success.





#### Chapter 18: E

In Chapter 18 of "Managerial Accounting" by Ray H. Garrison, the discussion revolves around several key components and principles that underpin effective managerial accounting practices. The chapter dives into the themes of standard costs, variance analysis, and decision-making processes, each integral to financial performance and strategic management.

- 1. **Understanding Direct Costs**: Direct costs are central to managerial accounting as they pertain directly to the production of goods or services. Focus is placed on direct labor and direct materials, which significantly influence cost estimation and budgetary planning. The chapter highlights how direct costs can be broken down into measurable elements like labor hours (DLH) and raw materials—essential for accurate budgeting and standard-setting.
- 2. **Standards and Variance Analysis** The chapter extensively covers the importance of setting standard costs for direct materials and labor, which serve as benchmarks for evaluating performance. It explains how variances,

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### **Chapter 19 Summary: F**

In exploring managerial accounting, particularly in the context of fixed and variable costs, several essential principles emerge that influence business decision-making and financial performance evaluation.

- 1. Understanding Fixed Costs and Their Variants Fixed costs can be categorized into several types, including committed fixed costs that do not change with the level of production and discretionary fixed costs which can be adjusted in the short term. This distinction is crucial when assessing cost behavior and budgeting, particularly in periods of varying sales volume. Recognizing traceable fixed costs allows for better allocation of resources in segments of an organization.
- 2. Variable Costs and Their Impact Variable costs fluctuate with production volume, influencing overall cost structures. The interplay between variable costs and sales volume is significant, as changes in either can dramatically affect profitability. Managers are encouraged to understand this relationship, especially when conducting break-even and target operating profit analyses.
- 3. **Budgeting with Flexibility**: The flexible budget is a tool that enables management to adjust budgetary expectations based on actual activity levels, providing a clearer picture of financial performance. This contrasts



with static budgets which remain fixed regardless of changes in sales volume. The flexible budget variance, which compares actual performance against budgeted figures, is vital for performance evaluation and identifying areas for improvement.

- 4. **Fixed Manufacturing Overhead Costs**: The management of fixed manufacturing overhead costs is essential, particularly in relation to inventory. Costs can be deferred or released from inventory, impacting financial reports. Accurate allocation is necessary to ensure that overhead rates reflect true production expenses, which aids in making informed managerial decisions.
- 5. **Cost Behavior Analysis**: Understanding cost behavior, including the distinction between fixed and variable costs, helps in making informed decisions about pricing, investment, and production. Managers utilize various methods like the high-low method for estimating costs, which can inform budgeting strategies.
- 6. Performance Reports and Financial Statements: Managers rely on financial performance measures that incorporate the analysis of fixed and variable costs to evaluate operational efficiency. Key financial statements, such as income statements and balance sheets, must reflect accurate cost classifications to assist internal and external users in assessing company performance.



7. **Ethics and Best Practices**: Ethical considerations in cost accounting are paramount. Managers are tasked with ensuring the integrity of financial reporting and performance evaluation processes. Evidence-based best practices can guide decision-making and enhance organizational accountability.

In summary, the principles related to cost classification, behavioral analysis, and performance evaluation create a robust framework for managerial decision-making. By grasping these concepts, managers can navigate challenges, optimize costs, and ultimately drive organizational success. This understanding emphasizes the interconnectivity of various cost elements and financial reporting, highlighting their role in effective management practices.



## Chapter 20 Summary: I

Chapter 20 of "Managerial Accounting" by Ray H. Garrison provides an extensive exploration of fundamental concepts and practical applications in the field of accounting.

- 1. **Net Present Value and Investment Analysis** This chapter dives into the net present value (NPV) methods used for investment analysis and capital budgeting. It emphasizes the importance of comparing different investment projects based on their NPV, which is determined by discounting future cash flows at the required rate of return. The weighted-average cost of capital (WACC) is highlighted as a critical factor in this calculation, allowing businesses to assess the feasibility and profitability of potential investments.
- 2. **Inventory Management**: A significant portion focuses on inventory management, covering various types of inventory such as raw materials, work in process, and finished goods. It presents the basic equations for inventory accounts and the flow of inventory, which is essential for financial reporting and decision-making. The chapter explains the role of inventory in financial statements and discusses how different costing methods, such as absorption costing and variable costing, impact reported income.
- 3. Capital Investments and ROI: The text outlines investment centers



and the metrics used to evaluate their performance, namely return on investment (ROI) and residual income. These measures allow managers to assess the profitability of various business segments. It discusses the stages of capital investment, from initial assessment through post-audit processes, ensuring that decisions are based on sound financial principles.

- 4. **Cost Analysis and Budgeting**: Another key focus is on cost analysis, particularly how costs are classified and analyzed. The differences between direct and indirect costs, as well as variable and fixed costs, are explored in detail. Budgeting processes such as flexible budgets and merchandise purchase budgets are discussed, linking these concepts to broader financial strategies that drive organizational performance.
- 5. **Income Tax Implications** The chapter addresses the implications of income taxes on capital budgeting and investment decisions. Important concepts such as after-tax benefits, tax shields, and the capital cost allowance are explained, highlighting how these factors can significantly impact net cash flows and overall project viability.
- 6. Variance Analysis: Additionally, the chapter covers variance analysis, focusing on how to identify and isolate variances in direct labor and materials, as well as manufacturing overhead. This analysis is critical for managers to understand the reasons behind deviations from budgeted costs, enabling informed decision-making and corrective action.



Through these topics, Garrison effectively illustrates the intricate relationship between managerial accounting practices and strategic business management. His insights into interpreting financial data, managing costs, and making informed investment decisions underscore the essential role of accounting in achieving organizational success. The comprehensive approach in this chapter serves as a valuable resource for both aspiring professionals and seasoned managers looking to enhance their accounting knowledge.





## Chapter 21: M

In Chapter 21 of "Managerial Accounting," Ray H. Garrison delves into essential concepts related to managerial decision-making, performance evaluation, and the utilization of various costing methods in organizations.

- 1. **Importance of Costing Methods**: Garrison emphasizes that the choice of costing methods has a significant impact on decision-making processes and performance evaluations. Different costing techniques, including job-order costing and activity-based costing (ABC), can influence how managers plan, control, and motivate their teams, as well as shape their financial assessments.
- 2. Understanding Costs in Manufacturing: The author categorizes manufacturing costs into distinct types, such as direct materials, direct labor, and manufacturing overhead. Important discussions include the flow of these costs through financial statements and their implications on overall profitability. He outlines how accurate cost classification is fundamental for effective budgeting and financial analysis, allowing firms to track

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## **Chapter 22 Summary: O**

Chapter 22 of "Managerial Accounting" by Ray H. Garrison is a comprehensive guide that delves into various managerial accounting concepts, methodologies, and their real-world applications. The chapter addresses critical financial decision-making tools, each of which plays a vital role in effective management and organizational planning.

- 1. **Investment Decisions and Cash Flows**: The chapter begins by exploring the internal rate of return (IRR) methods, emphasizing their utility in evaluating investment opportunities by comparing projected cash inflows to costs. Techniques such as the net present value (NPV) are highlighted, showcasing how positive NPV indicates potentially favorable investments. The chapter underscores the importance of understanding recovery of original investments and involves choosing paths based on least-cost decisions.
- 2. **Budgeting in Non-Profit Organizations**: The text provides insights into budgeting practices suited for non-governmental organizations (NGOs) and not-for-profit entities. The budgeting approaches, including expenditure basis and program basis budgets, are essential in ensuring accountability and resource management in such organizations. The chapter further acknowledges the significance of activity-based costing (ABC) as a tool for better allocation of resources, supporting financial transparency and



efficiency.

- 3. **Cost Behavior and Variances** A significant portion is dedicated to non-manufacturing costs and how they are analyzed through various costing systems like activity-based costing (ABC) and normal cost systems. The chapter covers mixed costs and instructs on different analytical methods, including the high-low method and scattergrams, to diagnose cost behavior. Various variances related to materials, such as price and quantity variances, are meticulously discussed, alongside their implications for management decision-making.
- 4. Power of Operating Leverage and ROI: The concept of operating leverage is introduced as a means to understand the impact of changes in sales volume on operating income. The chapter explains return on investment (ROI) and its relevance in gauging the profitability of resources deployed in operations. It emphasizes how management can leverage such analyses to optimize operational performance and strategic initiatives.
- 5. **Master Budget Fundamentals**: Delving deeper into the master budget, the chapter outlines its composition, including budgeted balance sheets and income statements, as well as the cash budget. Furthermore, it examines the interrelationships among various budget components and underscores the role of the master budget as a crucial management tool to facilitate planning, coordination, and control within organizations.



- 6. **Application of Variance Analysis** The chapter highlights the significance of variance analysis in both manufacturing and merchandising entities. It provides methods and formulas for calculating variances, allowing managers to assess performance against standards. The exploration of variances, such as market share and volume variances, adds depth to the manager's ability to interpret financial data accurately.
- 7. **Practical Toolsets**: Practical tools such as Microsoft Excel are referenced for illustrating financial data and performing analytical computations. The chapter emphasizes the role of technology in enhancing the accuracy and efficiency of accounting practices, making it imperative for modern managers to embrace these tools.

In summary, Chapter 22 of Garrison's text is an essential resource, synthesizing key managerial accounting principles and financial analysis tools to aid in informed decision-making within various organizational contexts. It equips managers with the necessary frameworks to navigate complex financial landscapes, ensuring that both profitability and organizational effectiveness are systematically addressed. The focus on practical application makes the content particularly valuable for readers who seek to apply these concepts in real-world scenarios.



## Chapter 23 Summary: P

This chapter focuses on the intricacies of managerial accounting, emphasizing the methods, principles, and frameworks that guide effective financial decision-making. It meticulously outlines various financial metrics, assessment techniques, and budgeting processes that are crucial for managers in any organization.

- 1. **Performance Reports and Metrics**: Performance reports serve as a key tool for evaluation, allowing managers to assess operational efficiency by comparing actual results to budgeted figures. This process involves the use of flexible budgets, which can adapt to changes in activity levels, thereby facilitating more accurate performance assessments. Key metrics such as return on investment (ROI) and performance margins are discussed extensively, providing managers with insightful measures to gauge overall effectiveness.
- 2. **Budget Planning and Control**: The chapter outlines the planning and control cycle, which emphasizes the necessity of both establishing budgets and monitoring actual performance against projected goals to ensure organizational success. The process of participative budgeting, whereby employee feedback is integrated into budget formation, encourages ownership and accountability among team members.



- 3. **Costing Systems**: Various costing systems, including normal costing and standard costing systems, are explored to clarify how organizations can allocate overhead and manage costs effectively. Topics such as overhead application, predetermined overhead rates, and the variance analysis for fixed and variable overhead costs are also addressed, emphasizing the significance of accurate cost allocation for effective decision-making.
- 4. **Investment Appraisal Techniques** The chapter discusses methods for evaluating investment projects, including the net present value (NPV) method and internal rate of return (IRR) method. The advantages of these methodologies are highlighted, particularly in their ability to provide a clear picture of potential profitability and risks associated with investment decisions. The concepts of post-audit evaluations and their importance in assessing past investments are also introduced.
- 5. Overhead Variances and Analysis A critical examination of overhead variances is presented to help managers identify discrepancies in cost predictions versus actual expenditures. The favorable and unfavorable variances provide insights into operational inefficiencies or effective cost management strategies in production and budgetary controls. Understanding these variances allows managers to implement corrective actions and improve future budgeting efforts.
- 6. **Pricing Strategies**: The exploration of pricing strategies, particularly



cost-plus pricing and markup calculations, highlights how businesses can set their prices based on production costs and desired profit margins. The role of standard costs in establishing price levels and maintaining competitive advantage is emphasized, offering a detailed view of how pricing impacts overall financial health.

7. **Decision-making Frameworks**: The chapter emphasizes the importance of structured decision-making frameworks, providing guidelines through preference rules and profitability indexes that help managers prioritize investments and operational initiatives. By applying these frameworks, decision-makers can objectively evaluate the potential returns on projects and ensure alignment with organizational goals.

Overall, this chapter serves as a comprehensive guide for managerial accounting practices. It underscores the significance of critical financial reporting, strategic budgeting, investment appraisals, and overhead cost management as pillars of effective organizational control and efficient resource allocation. As managers engage with these tools, they are better equipped to navigate the complexities of financial decision-making in today's dynamic business environment.

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## Chapter 24: R

Chapter 24 of "Managerial Accounting" by Ray H. Garrison delves into a variety of topics crucial for effective managerial decision-making, particularly in the context of cost analysis and project evaluation.

- 1. **Relevant Costs and Benefits**: Understanding relevant costs is essential for effective decision-making. These costs are those that will directly affect future cash flows and can vary based on choices made. The identification of relevant costs involves differentiating costs based on the context of the decision, leading to their classification into relevant benefits and relevant costs. The total and differential approaches are highlighted as methods for assessing these costs, enabling managers to make informed choices that enhance profitability.
- 2. **Performance Measurement and Reporting**: The text underscores the importance of performance reports that provide critical insights into various aspects of business operations. These reports can include customer profitability reports and management reports which help in analyzing

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## **Chapter 25 Summary: S**

In the context of managerial accounting, particularly depicted in Chapter 25 of Ray H. Garrison's "Managerial Accounting," various essential principles are outlined to guide decision-making processes. This summary distills key points and concepts into a structured format for clarity and ease of understanding.

- 1. Understanding Cost Structures: Costs in businesses are categorized into variable, fixed, and semi-variable costs, which influence pricing, budgeting, and overall financial planning. Variable costs fluctuate with production levels, while fixed costs remain constant regardless of output. Semi-variable costs exhibit characteristics of both, making them critical for accurate budgeting.
- 2. **Activity-Based Costing (ABC)**: This method allocates overhead costs based on actual activities that drive costs rather than arbitrary averages. By identifying specific activities that contribute to costs, businesses can gain a more accurate understanding of profitability at both the product and service levels, especially in service industries.
- 3. **Cost Variances**: Variances between actual costs and standard costs should be analyzed to maintain operational control. Direct materials and labor variances are primary areas of focus, where discrepancies indicate



areas for improvement or potential issues that require management attention.

- 4. **Standard Costs**: Establishing standard costs helps businesses measure performance against set benchmarks. Advantages include simplifying budgeting and performance evaluation, though they require regular updates to reflect changing market conditions. Effective management by exception focuses on significant variances that may require corrective action.
- 5. Segment Reporting and Performance Measurement: Segment reporting allows for a detailed analysis of different parts of the business, facilitating better decision-making. It includes identifiable segments such as profit centers and investment centers. Understanding the profitability of each segment through contribution margins and segment margins aids in evaluating operational efficiency and profitability.
- 6. **Sales Variance Analysis** This involves examining variances in sales price, sales quantity, and sales mix to assess performance against budgets or forecasts. Analyzing these variances helps managers understand the causes of sales performance fluctuations and adjust strategies accordingly.
- 7. **Decision-Making Frameworks**: The chapter emphasizes the importance of a structured approach to decision-making, especially concerning special orders, investments, and pricing strategies. Utilizing techniques such as cost-volume-profit (CVP) analysis can help determine the



impact of various decisions on the overall financial health of the organization.

- 8. **Return on Investment (ROI) and Residual Income**: Calculating ROI and considering residual income are crucial for assessing investment performance. While ROI provides a straightforward quantitative metric, residual income accounts for the cost of capital, encouraging managers to focus on value-added decisions and internal efficiency.
- 9. **Risk Management**: Identifying, assessing, and controlling risks are critical components of strategic management. Businesses must implement enterprise risk management practices to mitigate risks associated with market fluctuations, financial uncertainties, and operational challenges.
- 10. Continuous Improvement and Reporting: The chapter concludes by stressing the need for continuous improvement in managerial processes. Regular reporting, inclusive of performance metrics and variance analyses, keeps management informed, enabling them to make well-informed decisions that align with strategic objectives.

This coherent structure emphasizes principles critical to managerial accounting, facilitating a deeper understanding of decision-making processes in a business environment. Through accurate costing methods, variance analysis, and strategic planning, organizations can improve operational



efficiency and enhance overall performance.





## Chapter 26 Summary: V

In this chapter, the focus is on key concepts and methodologies within managerial accounting, essential for understanding costs and variances, which influence decision-making and financial management.

- 1. Variable Costs and Their Characteristics Variable costs are critical in managerial accounting, being defined as costs that change alongside production volume. The characteristics and behaviors of variable costs demonstrate a linear relationship with activity levels. Additionally, costs can exhibit curvilinear properties, and distinctions are made between true variable costs and step-variable costs, which display fixed intervals before changing.
- 2. **Cost Behavior and Analysis**: There are essential techniques for analyzing cost behavior, including the high-low method, which segregates fixed and variable costs, and step-variable costs, which account for costs that are fixed up to certain production levels. These analyses assist in creating more accurate budgets and forecasts, thereby aiding managerial decisions.
- 3. Variable Costing vs. Absorption Costing The chapter discusses the differences between variable costing and absorption costing, highlighting advantages such as clearer insights into variable costs' impacts on profitability. Variable costing focuses solely on variable manufacturing



costs, which impacts income statements and managerial decisions concerning pricing and production levels.

- 4. **Variance Analysis:** Variance analysis is critical for understanding performance discrepancies and involves several types of variances such as direct materials, direct labor, and overhead variances. This section outlines how managers can apply variance analysis to improve operational efficiency. The variance analysis cycle helps pinpoint areas requiring managerial attention—essentially promoting a management-by-exception strategy.
- 5. **Standard Costs and Budgeting**: The concepts of standard costs are introduced, which serve as benchmarks for measuring performance and controlling costs. An exploration of various types of budgets follows, including flexible budgets and static budgets, providing a foundation for understanding how to adjust expectations based on actual performance.
- 6. **Total Costs and Activity-Based Costing (ABC)**. The chapter provides an insightful discussion on total costs and activity-based costing. ABC allocates costs more precisely according to specific activities, improving cost management and product pricing strategies. This method contrasts with traditional approaches to cost allocation, allowing for more accurate product costing and profitability analysis.
- 7. **Performance Metrics and Analysis**: Focus is given to performance



metrics such as contribution margins and profitability ratios, which are essential for evaluating operational effectiveness. Understanding contributions toward overall profitability is crucial for strategic decision-making.

8. **Theoretical Capacity and Constraints**: The theoretical capacity concept is introduced, offering a framework for understanding production limits. By integrating the theory of constraints into decision-making processes, managers can identify and alleviate bottlenecks in production, thereby optimizing resource utilization.

Throughout the chapter, the importance of integrating these principles into managerial decision-making frameworks is emphasized, as they provide comprehensive insights into costs, variances, and overall financial health. By utilizing these concepts effectively, organizations can enhance their strategic planning and operational efficiency, leading to improved performance and profitability.





## Chapter 27: Z

In this segment of "Managerial Accounting" by Ray H. Garrison, the discussion revolves around various variances crucial for performance evaluation and managerial decision-making within an organization.

- 1. Understanding Variances Variance analysis serves as a fundamental tool for managers, enabling them to compare planned performance with actual outcomes. Various types of variances, including favorable and unfavorable quantities, highlight efficiency levels in the production process. For instance, a favorable quantity variance signifies that the actual input quantities are less than the standard, indicating cost savings.
- 2. **Types of Variances** The text delineates several specific variances:
- Materials Variances: This includes price and quantity variances concerning the cost of materials used in production. Analysis of these variances helps in understanding discrepancies in direct material usage.
  - Labor Variances Direct labor variances, including efficiency and

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