

## Principles Of Global Supply Chain Management

For courses in Operations Management. A Broad, Practical Introduction to Operations, Reinforced with an Extensive Collection of Practice Problems Principles of Operations Management: Sustainability and Supply Chain Management presents a broad introduction to the field of operations in a realistic and practical manner, while offering the largest and most diverse collection of issues on the market. Problems found in the Tenth Edition contain ample support-found in the book's solved-problems and worked examples-to help readers better understand concepts important to today's operations management professionals. MyOMLab™ not included. Students, if MyOMLab is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. MyOMLab should only be purchased when required by an instructor. Instructors, contact your Pearson representative for more information. MyOMLab is an online homework, tutorial, and assessment product designed to personalize learning and improve results. With a wide range of interactive, engaging, and assignable activities, students are encouraged to actively learn and retain tough course concepts.

According to the health data released by the Organization for Economic Cooperation and Development (OECD), the United States spends more per capita on healthcare than any other OECD country. Currently, U.S. healthcare spending constitutes \$2.5 trillion, or 17.3 percent of GDP, with healthcare costs increasing 9 percent annually. To reverse this alarming trend, the Obama administration recently led the effort to dramatically reform healthcare policy, laws, and regulations. This book provides you (whether a healthcare policy maker, hospital administrator, pharmaceutical company manager, or other healthcare professional) with practical guidance for leveraging supply chain principles to better manage healthcare resources and control healthcare costs. It introduces basic supply chain management concepts, terminologies, and tenets. Other included topics are strategicalliances among healthcare partners, value analysis of healthcare services and products, the impact of healthcare reforms on healthcare supply chains, and the development of performance metrics for the healthcare supply chain and benchmarking.

The purpose of this book is to describe how lean and supply chain management can be combined to achieve world-class business performance. To accomplish this purpose, the book contains both basic material on lean and supply chain management, as well as content from current journal research findings, strategies, issues, concepts, philosophies, procedures, methodologies, and practices in managing a lean supply chain. Presented in a topical fashion, the chapters deal with a wide-range of subjects that support, nurture, and advance principles, concepts, and methodologies of lean supply chain management. Contents: Introduction to Lean and Supply Chain Management: LeanSupply ChainsThe Nexus of Lean and Supply Chain ManagementTopics in Lean Supply Chain Management: Topics in Lean Supply Chain LeadershipStrategic Customer Value Focus in Lean Supply Chain ManagementTopics in Aligning Lean Supply Chain Strategy, Tactics, and Operational PlansEthics, Trust, and Collaboration Topics in Lean Supply ChainsTopics in Globalization and Cultural Impacts on Lean Supply ChainsTopics in Lean Supply Chain Information SystemsTopics in Lean Supply Chain New Product DevelopmentTopics in Lean Supply Chain E-commerceTopics in Lean Supply Chain OutsourcingTopics in Sustainable Lean Supply ChainsTopics in Building Agile and Flexible Lean Supply Chains Readership: Undergraduates, Graduates, academics and consultants who are interested to know more about lean supply chain management. Keywords: Lean;Lean Management;Supply Chain;Supply Chain ManagementReview: Key Features: This is a topical book, that focuses in-depth on the Lean topics that are coveredThis book covers many of the newer Lean topics that are the focus point for Lean firms todayThe chapters of this book has been updated with current literature and even include the most recent advances in Lean-related technology (some of which have yet to be implemented but are in the planning stages)

Supply chain management is a cornerstone of the competitive strategies of many present-day organizations and has evolved from the operational to the strategic level. Understanding this, 'Managing Global Supply Chains' offers a comprehensive insight into the global supply chain sector - analysing the strategic, operational and financial aspects of the industry, and addressing the key elements in the management of global supply chains. The book is based on four principles, namely, clarity (which makes it simple for readers to comprehend); richness (which identifies questions from various academic experiences and disciplines to encourage readers to find out possible unexplored research or key issues); innovations (which prompts readers to reflect on changing traditional, day-to-day operations for enhancement); and practicality (which equips learners with the skills and knowledge to work in the real world).

If you read one book about managing your supply chain, read this book. There has been a tremendous amount of energy focused on improving efficiencies within a business organization. The results have been, at best, mixed. Streamlined: Building and Managing the Lean Supply Chain changes everything. This insightful and comprehensive book covers the activities of all businesses involved in the flow of products, services, finances, and information from the initial suppliers to the ultimate users. Presented using 14 simple, yet powerful, principles for building and managing the lean supply chain, Streamlined develops the thought process that managers need to lead their enterprises into the twenty-first century. It presents specific steps and instructions to help the manager deal with the complexities of running the business from a logistics and operations perspective. The book stresses systems thinking. It uniquely integrates two management philosophies: the theory of constraints and lean thinking, illustrating how they complement and reinforce each other to create the smooth flow of goods and services through the supply chain. Srinivasan provides candid discussions of managers' tasks and responsibilities and how they may be best accomplished by applying these conceptual tools. The concepts in this book can be applied to any organization, regardless of the industry one works in. • Veteran managers will gain a new perspective as they view the supply chain from a holistic approach. • The 14 principles in the book are presented with common-sense explanations. • Less experienced managers will benefit from the case studies that provide

living examples of how each of the 14 principles has been applied successfully in practice. • The summaries and conclusions throughout the book effectively reinforce the content in each chapter.

Everyone can impact the supply chain Supply Chain Management For Dummies helps you connect the dots between things like purchasing, logistics, and operations to see how the big picture is affected by seemingly isolated inefficiencies. Your business is a system, made of many moving parts that must synchronize to most efficiently meet the needs of your customers—and your shareholders. Interruptions in one area ripple throughout the entire operation, disrupting the careful coordination that makes businesses successful; that's where supply chain management (SCM) comes in. SCM means different things to different people, and many different models exist to meet the needs of different industries. This book focuses on the broadly-applicable Supply Chain Operations Reference (SCOR) Model: Plan, Source, Make, Deliver, Return, and Enable, to describe the basic techniques and key concepts that keep businesses running smoothly. Whether you're in sales, HR, or product development, the decisions you make every day can impact the supply chain. This book shows you how to factor broader impact into your decision making process based on your place in the system. Improve processes by determining your metrics Choose the right software and implement appropriate automation Evaluate and mitigate risks at all steps in the supply chain Help your business function as a system to more effectively meet customer needs We tend to think of the supply chain as suppliers, logistics, and warehousing—but it's so much more than that. Every single person in your organization, from the mailroom to the C-suite, can work to enhance or hinder the flow. Supply Chain Management For Dummies shows you what you need to know to make sure your impact leads to positive outcomes.

Revised edition of the authors' Global logistics and supply chain management, 2012.

Examines key supply chain management issues within the purchasing, operations, and distribution functions.

This book provides readers an in-depth understanding of the inner mechanisms and principles of the global supply chain. Authored by the Head of Supply Chain and Transport Industries at the World Economic Forum, it draws on a wealth of operational and managerial expertise in the global supply chain industry that drive the world's economies. The book analyzes the importance and impact of globally networked sourcing, production and distribution, and presents detailed information on the opportunities, limitations and challenges of linear value and supply chain systems. Building on a series of recent industry cases and with a focus on the latest developments in actual business processes and models, it reveals how the transformation toward circular supply chains and regenerative resource management forms the basis for success and sustainability in business. "The book brings together technical, social, political, and geographical trends, suggesting how supply chain management can lead the quest for many of the world's most pressing challenges." Yossi Sheffi, Professor of Engineering, MIT, Head, MIT Center for Transportation and Logistics "This book provides an essential roadmap, guiding the reader easily through complex developments and concepts." John Manners-Bell, CEO Transport Intelligence and Honorary Visiting Professor, Guildhall Business School, London "With strategic foresight, Lehmacher develops a vision of a circular economy within which consumer, manufacturer and logistics companies assume collective responsibility for sustainable value creation." Alfred Talke, Group Managing Director ALFRED TALKE Logistic Services "Those who are active in logistics and supply chain management, in practice or academia, will discover a fresh view on the whole field of activity beyond the day-to-day-business." Prof. Dr.-Ing. Thomas Wimmer, Chairman of the Executive Board, BVL International

Supply chain management is the cornerstone of the competitive strategies of many presentday organizations and has evolved from the operational to the strategic level. Understanding this, Principles of Global Supply Chain Management offers a comprehensive insight into the global supply chain sector—analyzing the strategic, operational and financial aspects of the industry, and addressing the key elements in the management of global supply chains. The key topics of each chapter demonstrate a variety of fundamental issues in the supply chain industry: What are supply chain markets? What is the supply chain cost structure? What are supply chain strategies? How do supply chain firms design and implement strategies? What are the key roles of logistics service providers, logistics education operators and logistics associations? How should supply chain operations be managed? How is a sustainable and innovative supply chain structure created? Comparative practical case studies from Asia, North America and Latin America lend weight to the chapters.

Supply chain management, rapidly-advancing and growing ever more important in the global business climate, requires an intense understanding of both underlying principles and practical techniques. Including both a broad overview of supply chain management and real-world examples of SCM in companies ranging from small to large, this book provides students with both the foundational material required to understand the subject matter and practical tips that demonstrate how the latest techniques are being applied. Spanning functional boundaries, this well-regarded book is now in its second edition and has quickly become a standard course text at many universities. This newest edition continues to provide a balanced, integrative, and business-oriented viewpoint of the material, and deeply explores how SCM is intertwined with other organizational functions. New material has been added to address the importance of big data analytics in SCM, as well as other technological advances such as 3-D printing, cloud computing, machine learning, driverless vehicles, the Internet of Things, RFID, and others.

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of the text, see Heizer/Render's Operations Management: Sustainability and Supply Chain Management Plus MyOMLab with Pearson eText -- Access Card Package, 12/e (0134422406 / 9780134422404). Also Available with MyOMLab™ This title is available with MyOMLab—an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them better absorb course material and understand difficult concepts. NOTE: You are purchasing a standalone product; MyOMLab does not come packaged with this content. If you would like to purchase both the physical text and MyOMLab search for: 0134422414 / 9780134422411 Principles of Operations Management: Sustainability and Supply Chain Management Plus MyOMLab with Pearson eText -- Access Card Package, 10/e Package consists of: 0134181980 / 9780134181981 Principles of Operations Management: Sustainability and Supply Chain Management 0134184114 / 9780134184111 MyOMLab with Pearson eText -- Access Card -- for Principles of Operations Management: Sustainability and Supply Chain Management This is the most authoritative and complete guide to planning, implementing, measuring, and optimizing world-class supply chain transportation processes. Straight from the Council of Supply Chain Management Professionals (CSCMP), it brings together up-to-the-minute principles, strategies, and decisions for cost-efficiently and effectively moving goods between sellers and buyers. CSCMP and Thomas Goldsby introduce crucial concepts including transportation modes, execution, and control; outsourcing, modal and carrier selection, and 3PLs; TMS technologies; ocean shipping, international air, customs, and regulation; and much more. Step by step, The Definitive Guide to Transportation helps you optimize all facets of transportation, one of the highest-cost, highest-impact areas of supply chain management. Coverage includes: Basic transportation management concepts and their essential roles in demand fulfillment Key elements, processes, and interactions of transportation operations management Design principles and strategies for establishing efficient, effective, and sustainable transportation operations The critical role of technology in managing transportation operations and product flows Requirements and challenges of planning and moving goods between countries Best practices for assessing performance using standard metrics and frameworks A guide to help readers meet the demands of an evolving competitive business environment, Modeling of Responsive Supply Chain outlines novel concepts and strategies for implementing a fully integrated system of business improvement methodologies. This self-contained reference covers various key aspects of supply chain management, which is crucial to boosting industrial growth in the face of expanding globalization in the manufacturing and transportation sectors. The book focuses on topics that could potentially improve the free flow of goods and services between nations by helping users assess the performance of logistic systems deployed to achieve this end. Chapters present a conventional and evolutionary approach to coordinating all elements of the supply chain to optimize an enterprise's competitive advantage. The authors explore different models associated with transportation, facility location, and assignments, as well as planning and scheduling. They also address diverse technologies, such as RFID tags used to monitor product flow within the supply chain network. This book addresses the importance of: Recognizing responsiveness as a metric of supply chain performance Domain interfaces for solving the optimization problem by making supply chains more responsive Coordination through contracts to enhance responsiveness System dynamics methodology to achieve responsiveness, as well as management principles, control theory, and computer simulation The use of different types of technologies to build a better supply chain that achieves higher responsiveness Few, if any, single volumes provide the detailed explanation of practical and conceptual approaches found in this book. It covers the entire spectrum of topics and will be equally useful as a reference for scholars and graduate students and as a compendium for practitioners dealing with real-life problems in contemporary supply chain management. This is today's indispensable introduction to supply chain management for today's students and tomorrow's managers – not yesterday's! Prof. Hokey Min focuses on modern business strategies and applications – transcending obsolete logistics- and purchasing-driven approaches still found in many competitive books. Focusing on outcomes throughout, The Essentials of Supply Chain Management shows how to achieve continuous organizational success by applying modern supply chain concepts. Reflecting his extensive recent experience working with leading executives and managers, Min teaches highly-effective methods for supply chain thinking and problem-solving. You'll master an integrated Total System Approach that places functions like inventory control and transportation squarely in context, helping you smoothly integrate internal and external functions, and establish effective inter-firm cooperation and strategic alliances across complex supply chains. Coverage includes: Understanding modern sourcing, logistics, operations, sales, and marketing – and how they fit together Using modern supply chain methods to improve customer satisfaction and quality Working with cutting-edge supply chain technology and metrics Moving towards greater sustainability and more effective risk management Working with core analytical tools to evaluate supply chain practices and measure performance Legal, ethical, cultural, and environmental/sustainability aspects of modern supply chain operations How to build a career in global supply chain management The Essentials of Supply Chain Management will be an indispensable resource for all graduate and undergraduate students in supply chain management, and for every practitioner pursuing professional certification or executive education in the field. Going beyond the usual supply chain text, Principles of Supply Chain Management not only details the individual components of the supply chain but also illustrates how the pieces must come together. Providing the logic behind why supply chain management is essential, the text examines how supply chains are evolving, looks ahead to future developments, and also provides a balanced look at supply chains with a focus on where it needs to be—the customer. It also: Describes the forward supply chain (from the supplier to the customer) and the reverse supply chain (recycling) Reviews contemporary sustainability concepts including triple bottom line, cradle-to-grave, and cradle-to-cradle Includes extensive discussions on retailing, distribution, and manufacturing topics Details supply chain flows of physical goods,

information, and funds Highlights the need for coordinated change in technology, infrastructure, and cultures among supply chain members From the point of distribution all the way back to the point of origin, the text provides examples and case histories that illustrates a proven approach for achieving effective supply chain integration. This self-contained resource provides readers with a realistic appraisal of the state of the art in supply chain management and the understanding needed to build and manage effective supply chains in a wide-range of industries. Most importantly, it emphasizes the need for building and maintaining cooperation and collaboration among all members of the supply chain. Mastering the Supply Chain is an introduction to supply chain management. The book integrates theory with practice and aims to create a cross-functional mindset in students and practitioners. It provides a wide overview of relevant supply chain concepts and sets out the challenges that need to be overcome in order to find practical ways of implementing these in a real company situation. Readers are continuously asked to actively reflect on the choices they make, thus experiencing first-hand the many challenges that good and effective supply chain management presents. Mastering the Supply Chain presents a different way of learning that puts the reader at the heart of a life-like situation, so that they experience the impact of every decision they make, not just in their own 'silo' but across the business. In this way, they will learn that many supply chain concepts are relatively simple to understand, but not so easy to apply in reality. Chapter 6 helps students to pull everything they've learned together and see how the concepts play out in the real world by guiding them through an interactive demonstration of the online business simulation game The Fresh Connection (free access is included with the book). This is a key text for students on supply chain management BScs and MScs as well as background reading for students playing the full version of The Fresh Connection Business Simulation game.

This state-of-the-art Handbook provides a comprehensive understanding and assessment of the field of global supply chain management (GSCM). Editors John T. Mentzer, Matthew B. Myers, and Theodore P. Stank bring together a distinguished group of contributors to describe and critically examine the key perspectives guiding GSCM, taking stock of what we know (and do not know) about them.

A proven framework for measuring the supply chain potential of geographic regions Managing a complex global supply chain requires a strategic assessment of the various factors that can affect decisions on procurement, manufacturing, warehousing, logistics, distribution, and sales. Co-written by renowned experts in global supply chain management, this book presents a systematic, structured approach to evaluating ten global regions with respect to their supply chain activities. The maturity level for each region is assessed using the EPIC framework--Economy, Politics, Infrastructure, and Competence. Managers of supply chains can use this framework and the exclusive data in this practical, timely resource to identify the strengths, weaknesses, opportunities, and threats of the different global regions and determine their supply chain strategies accordingly. Global Supply Chains analyzes ten regions: East Asia South Asia Southeast Asia Australia The Middle East and North Africa (MENA) Sub-Saharan Africa (SSA) Western Europe Central and Eastern Europe North and Central America South America

The managed flow of goods and information from raw material to final sale also known as a "supply chain" affects everything--from the U.S. gross domestic product to where you can buy your jeans. The nature of a company's supply chain has a significant effect on its success or failure--as in the success of Dell Computer's make-to-order system and the failure of General Motor's vertical integration during the 1998 United Auto Workers strike. Supply Chain Integration looks at this crucial component of business at a time when product design, manufacture, and delivery are changing radically and globally. This book explores the benefits of continuously improving the relationship between the firm, its suppliers, and its customers to ensure the highest added value. This book identifies the state-of-the-art developments that contribute to the success of vertical tiers of suppliers and relates these developments to the capabilities that small and medium-sized manufacturers must have to be viable participants in this system. Strategies for attaining these capabilities through manufacturing extension centers and other technical assistance providers at the national, state, and local level are suggested. This book identifies action steps for small and medium-sized manufacturers--the "seed corn" of business start-up and development--to improve supply chain management. The book examines supply chain models from consultant firms, universities, manufacturers, and associations. Topics include the roles of suppliers and other supply chain participants, the rise of outsourcing, the importance of information management, the natural tension between buyer and seller, sources of assistance to small and medium-sized firms, and a host of other issues. Supply Chain Integration will be of interest to industry policymakers, economists, researchers, business leaders, and forward-thinking executives.

In a global economy, multinational companies often operate in jurisdictions where governments are either unable or unwilling to uphold even the basic human rights of their citizens. The expectation that companies respect human rights in their own operations and in their business relationships is now a business reality that corporations need to respond to. Business and Human Rights: From Principles to Practice is the first comprehensive and interdisciplinary textbook that addresses these issues. It examines the regulatory framework that grounds the business and human rights debate and highlights the business and legal challenges faced by companies and stakeholders in improving respect for human rights, exploring such topics as: the regulatory framework that grounds the business and human rights debate challenges faced by companies and stakeholders in improving human rights industry-specific human rights standards current mechanisms to hold corporations to account future challenges for business and human rights With supporting case studies throughout, this text provides an overview of current themes in the field and guidance on practical implementation, demonstrating that a thorough understanding of the human rights challenges faced by business is now vital in any business context.

"This book provides insights and supports executives, middle managers and practitioners concerned with the management of supply chain with expertise, knowledge, information and organizational management development in different types of industries"--Provided by publisher. Hyper competition and globalization mean that markets are changing. There is aggressive competition, shortening product life cycles,

financial pressures and ever more demanding customers and consumers. Companies need to adopt new practices and new ways of thinking, so they are looking at collaboration across supply chains to become more sustainable, efficient and economical. Collaborative Principles for Better Supply Chain Practice looks at behavioural and commercial collaborative business principles and their application by means of case studies which showcase collaboration success across the private, public and 3rd sectors. Collaborative Principles for Better Supply Chain Practice covers different perspectives: the client looking down the supply chain, the suppliers looking up the supply chain and the inter-dependencies of organizations horizontally across the supply chain. The book explores operational and project-type environments in different industry sectors, which will help you think about your supply chain differently and optimize your processes to achieve supply chain excellence. Online supporting resources include a bonus chapter and web links.

The development of international trade is driven by international logistics and management and the provision of the global supply chain. The ultimate objective of global supply chain management is to link the market place, distribution network, manufacturing/processing/assembly process, and procurement activity in such a way that customers are serviced at a higher level yet lower cost. Overall this has introduced a new breed of management in a computer literate environment operating in a global infrastructure. Addressing this complex topic, Alan Branch's new book fulfills two clear objectives: to provide a concise, standard work on the subject, written in lucid language that embraces all the ingredients of a notoriously complex subject with a strategic focus to extol best practices and focus on all areas of the industrial and consumer sectors and their interface with changing international market needs. Until now, no book dedicated to international logistics and supply chain management was available. Practically-oriented, this book features numerous case studies and diagrams from logistic operators. An ideal resource for management students, academics and managers who need a succinct treatment of global operations, Branch's book skillfully illustrates his ideas in practice. It is a book which should be on the shelf of every practitioner and student of the subject. Also available from Routledge: Elements of Shipping, Eighth Edition, Alan E. Branch. (978-0-415-36286-3) Maritime Economics: Management and Marketing, Alan E. Branch. (978-0-748-73986-8)

The second edition of this popular textbook presents a balanced overview of the principles of supply chain management. Going beyond the usual supply chain text, Principles of Supply Chain Management not only details the individual components of the supply chain, but also illustrates how the pieces must come together. To show the logic behind why supply chain management is essential, the text examines how supply chains are evolving, looks ahead to new developments, and provides a balanced look at supply chains with a focus on both the customer side and the supplier side of supply chains. See What's New in the Second Edition: Expanded coverage of current topics such as e-commerce, risk management, outsourcing and reshoring, sustainability, project management, and data analytics Increased emphasis on how customers are becoming more influential in steering product design Additional coverage of the use of data analytics to evaluate customer preferences and buying patterns A new chapter devoted to logistics and its increasing importance in supply chains Company profiles of organizations with effective supply chains that illustrate the main theme of each chapter A "Hot Topic" for each chapter, providing a description of a critical management issue to stimulate class discussion A complete set of instructor materials for each chapter, including presentation slides, test banks, class exercises, discussion questions, and more From the point of distribution to the final customer, all the way back to the point of origin at the mine or farm, the text provides examples and case histories that illustrate a proven approach for achieving effective supply chain integration. This self-contained resource provides readers with a realistic appraisal of the state of the art in supply chain management and the understanding needed to build and manage effective supply chains in a wide range of industries. Most importantly, it emphasizes the need for building and maintaining collaboration among all members of the supply chain.

Updated with the latest practices, trends, and developments from the field, PRINCIPLES OF SUPPLY CHAIN MANAGEMENT: A BALANCED APPROACH, 4E guides students step by step through the management of all supply chain activity while addressing real-world concerns related to domestic and global supply chains. Comprehensive, one-of-a-kind coverage encompasses operations, purchasing, logistics, and process integration. The text follows the natural flow through the supply chain--resulting in one of the most balanced approaches available. Well-organized chapters demonstrate the practical applications of supply chain management in today's workplace, and intriguing SCM Profiles provide abundant real-world business examples. In addition, the fourth edition includes revised and expanded end-of-chapter questions and problems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The basics of industrial and supply-chain excellence in less than 200 pages ! This book for self-learning offers a step-by-step presentation of the best practices of modern manufacturing and logistic management, which have been moving beneath the surface, like tectonic plates, over the last few years. Thanks to their proven operational effectiveness, they have emerged as an interlocking group of "five basics": - Voice of the Customer for innovation and development - production activities with and without added value - postponement or mass customization and modular thinking - dependent and independent customer demand - the two levels of the supply chain: strategic and operational The integration of these best practices gives Lean Supply Chain Management, which can help any company maximize its added value and the productivity of its people to innovate and to better serve the customer. Based on the author's long experience as a practitioner, educator, consultant and implementor, this book is an ideal learning tool. It contains several levels of text (summaries, examples, detailed explanations, questionnaires for measuring current practice ) to facilitate the acquisition of these key concepts and practices by any individual or company Quantitative models and computer-based tools are essential for making decisions in today's business environment. These tools are of particular importance in the rapidly growing area of supply chain management. This volume is a unified effort to provide a systematic summary of the large variety of new issues being considered, the new set of models being developed, the new techniques for analysis, and the computational methods that have become available recently. The volume's objective is to provide a self-contained, sophisticated research summary - a snapshot at this point of time - in the area of Quantitative Models for Supply Chain Management. While there are some multi-disciplinary aspects of supply chain management not covered here, the Editors and their contributors have captured many important developments in this rapidly expanding field. The 26 chapters can be divided into six categories. Basic Concepts and Technical Material (Chapters 1-6). The chapters in this category focus on introducing basic concepts, providing mathematical background and validating algorithmic tools to solve operational problems in supply chains. Supply Contracts (Chapters 7-10). In this category, the primary focus is on design and evaluation of supply contracts between independent agents in the supply chain. Value of Information (Chapters 11-13). The chapters in this category explicitly model the effect of information on decision-making and on supply chain performance. Managing Product Variety (Chapters 16-19). The chapters in this category analyze the effects of product variety and the different strategies to manage it. International Operations (Chapters 20-22). The three chapters in this category provide an overview of research in the emerging area of International Operations. Conceptual Issues and New Challenges (Chapters 23-27). These chapters outline a variety of frameworks that can be explored and used in future research efforts. This volume can serve as a graduate text, as a reference for researchers and as a guide for further development of this field.

Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations and the responsible management of the entire supply chain. Based on extensive research by experts in the field, this comprehensive book covers the whole scope of sustainable logistics. The book provides carefully reviewed research-led applications and case studies that have been especially developed for this revised edition with particular attention for use in a teaching context. The mini case studies are highly topical, relating the theoretical concepts to practice and what is actually happening 'on the ground'. Examining the subject in an integrated

