Supply Chain Management A Logistics Perspective 9th Edition

This volume contains commissioned refereed papers that cover the main elements of transport logistics. The authors were selected from around the world and asked to provide critiques of their subject areas as well as a review of the state of the art and case study examples. 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 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 construction logistics manager plays an increasingly central role in the construction process. In fact, their decisions can crucially affect the success or failure of a project. Recognition of the critical role they play has spurred even more interest in this budding field amongst both researchers and practitioners. An accessible text on construction logistics, Supply Chain Management and Logistics in Construction provides essential guidance and expert advice for construction managers, as well as researchers and students in the field. This important new title looks at arrangements with suppliers, the use of returnable packaging and off-site manufacture and assembly, IT systems used to manage the supply chain and logistics operations, such as delivery management systems, warehouse management systems and material planning and forecasting systems. It also considers aspects of the contractual relationships between client, developer, main contractor and lower-tier contractors, all of which have an impact on how the supply chain is managed. In addition to providing a range of fresh ground-breaking case studies, the book features contributions from leading experts in the field who have been involved in projects with companies such as TFL, BAA, The Red Cross, as well as big construction programmes such as the Olympics and Cross Rail.

MANAGING SUPPLY CHAINS: A LOGISTICS APPROACH, 9E, International Edition refined its focus on the supply chain approach by blending logistics theory with practical applications. Each chapter opens with “Supply Chain Profiles” vignettes introducing students to real-world companies, people, and events. New and updated “On the Line” boxed features are applied examples providing students with hands-on managerial experience of the chapter’s topics. “Supply Chain Technology” boxes appear throughout the text, helping students relate technological developments to supply chain management concepts and logistics practices while taking in consideration global changes. Short Cases at the end of each chapter are updated and build on what students have learned in the chapter.

Logistics, Supply Chain and Operations Management Case Study Collection is a rich and varied compilation of relevant case studies from across logistics, supply chain management and operations. It contains real life scenarios from leading companies including Volvo, Vortex, Honda of America, Green Cargo and Swedish Transport Administration. It includes a foreword by Martin Christopher. Comprehensive in scope and scrupulous in detail, Logistics, Supply Chain and Operations Management Case Study Collection includes actual events experienced by businesses of every size, from SMB's to some of the most successful corporations in manufacturing, transportation, hospitality and other industries. In these pages readers will discover proven tactics and innovative solutions for handling uncertainties, solving problems and circumventing risk, plus a wealth of information to guide strategy and decision making. Readers who are involved in logistics and supply chain management will find the collection extremely helpful. Directors and managers will find immediate application of strategies and tactics to their own situations and challenges and learn to identify potential pitfalls before they become chronic issues. Training professionals will have a valuable tool for testing management proficiency in crisis mitigation and resolution, and particularly useful in academic curriculum, independent learning modules and professional training programs. Academics and professional trainers will benefit from expanded question and answer sections designed to measure knowledge transfer and lessons learned. Students will learn from engaging, topical situations that are highly relevant to the fields of logistics, supply chain management and operations, and both students and prospective managers will learn crucial skills to meet current challenges, qualify for professional advancement and achieve success.

Logistics is an essential introduction for any business student studying logistics or supply chain management. It takes a broad view of logistics covering all the major issues within the subject. It puts emphasis on application and practical situations. This clear and well-written text gives a very up-to-date perspective on this fast moving field. It explores the management of logistics and its strategic role within an organization, while examining new developments in the field and providing an international dimension to the subject. From one of the world’s leading consultants, authors and practitioners in the area of supply chain management comes the most extensive coverage of the subject to date. Bringing more than 18 years of experience in logistics, manufacturing, purchasing, customer service, and supply chain management in a wide variety of industries, William Copacino offers his unique insight and recommendations in Supply Chain Management.

This important book provides an overview of all areas of supply chain management in a concise yet informative style. Any busy executive or manager looking to deepen his or her understanding of supply chain management will find this efficient reading. Ideal for manufacturers, service companies, suppliers, distributors and retailers in consumer product, electronic, automotive, pharmaceutical and medical product industries. Provides strategies, tools and techniques for both executives and managers in production, purchasing, inventory control, customer service, distribution and accounting. Academicians will find it fits the growing needs of students studying business and especially production/operations management.

First edition WINNER: ACA-Brueil 2015 - Prix des Associations Food supply chains are integral in ensuring that food makes it from the farm to the table. Understanding how these operate has never been more important. The new edition of Food Supply Chain Management and Logistics embeds learning using case studies from leading companies such as Cargill, Nestlé and Starbucks. In addition, case studies from sustainable businesses such as Omnom Chocolate and ReFood also feature. The book is structured to provide readers with an understanding of the basics of food supply chain management and logistics before expanding the scope to cover more of a range of topics. Online resources include PowerPoint lecture slides.

Students of logistics, transportation, and supply chain management, as well as international managers will find this text an essential reference for understanding how cargo is moved around the world. This book covers the planning, organizing, and controlling of activities such as transportation, inventory maintenance, order processing, purchasing, warehousing, materials handling, packaging, customer service standards, and product scheduling. It is specifically designed to help learners solve the actual problems that they will encounter in today's market place. It provides the
basic decision making tools and concepts used for finding cost reduction and strategic opportunities. A broad general introduction to all essential aspects of logistics and supply chain management, set within the wider business context. The book uses well-developed pedagogy and numerous case studies, guiding the reader through the subject by retaining a strong focus on the application of theory and practical situations.

Logistics and Supply Chain Management has been a vital part of every economy and every business entity. Both sciences have become prestigious research fields focusing on best practices, concepts, and methods. Outsourcing Management for Supply Chain Operations and Logistics Services is concentrated on the key players of the outsourcing paradigm; the organizations that provide logistics services, the Third Party Logistics (3PL’s), as well as their clients, presenting and promoting the lessons learned by their cooperation. Specifically, this publication presents studies which are relevant to practitioners, researchers, students, and clients of the application of the Outsourcing practice on the Logistics and Supply Chain Management services giving emphasis to 3PL’s.

"The documented benchmarks for success and the many examples help explicate the complexities for the reader. The book is organized and written so that it will be useful as an introduction to the field and also as a reference when special challenges arise for the practicing manager." -- DR. JOHN J. COYLE, Professor Emeritus of Logistics and Supply Chain Management, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University "The book is a must-read for all supply chain managers seeking to drive down costs and improve profits and must be read before any investment is made in your supply chain. Get copies for your controller and all senior managers...this book lays it all out." -- DR. RICHARD LANCIONI, Chair, Marketing & Supply Chain Management, Fox School of Business, Temple University Expert Strategies for Improving Supply Chain and Logistics Performance Using Lean This practical guide reveals how to identify and eliminate waste in your organization's supply chain and logistics function. Lean Supply Chain and Logistics Management provides explanations of both basic and advanced Lean tools, as well as specific Lean implementation opportunities. The book then describes a Lean implementation methodology with critical success factors. Real-world examples and case studies demonstrate how to effectively use this powerful strategy to realize significant, long-term improvements and bottom-line savings. COVERAGE INCLUDES: * Using Lean to energize your supply chain * The eight wastes * Lean opportunities and JIT in supply chain and logistics * Lean tools and warehouse * Global lean supply chain and logistics * Lean opportunity assessment, value stream mapping, and Kaizen event management * Best-in-class use of technology with Lean * Metrics and measurement * Education and training Valuable training slides are available for download.

Supply Chain Strategy addresses logistics performance and benchmarking procedures, processes for customer service and order processing and supply chain integration.

Supply Chain Logistics Management is exciting and promises to bolster traditional logistics courses and invigorate supply chain management courses, by examining traditional logistics issues within the context of the supply chain. Most textbooks approach this subject from a limited perspective, studying only internal functions of an organization to the exclusion of issues that relate to the entire supply chain. Supply Chain Logistics Management provides a solid foundation that clearly describes the role of logistics within the supply chain, portraying a complete view of the subject and going farther to show how all the pieces fit together.

"Logistics and Supply Chain Management" is a comprehensive new text that explains the fundamentals of the subject so that the student understands the 'game rules' goals and objectives when designing, planning and controlling efficient and effective logistics systems in supply chains. It also includes coverage of information technology, the impact of manufacturing and product structures on logistics and supply chain systems, and the environment. Designed specifically with the student in mind, this book is the perfect companion for introductory courses in logistics and supply chain management. The key features are: the book contains many mini cases to illustrate current practice and key concepts defined and described in the book; discussion tasks have been included to help facilitate effective learning and provide reinforcement; a comprehensive glossary has been included at the end of the book; key terms are defined at the end of each chapter; where appropriate, quantitative examples and exercises have been included to help students understand planning and control concepts and analysis tools; and, full solutions are provided in appendix.

Supply Chain Management: A Logistics Perspective Cengage Learning 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.

The UK's bestselling book on logistics and supply chain management – over 100,000 copies sold. Effective development and management of supply chain networks helps businesses cut costs and enhance customer value. This updated 5th edition is a clear guide to all the key topics in an integrated approach to supply chains. As well as new and updated examples and case studies, there are two new chapters: Routes to Market: Many companies now have to manage multiple distribution channels - this chapter covers strategic issues on how companies "go to market" along with the cost implications of using alternative channels. Service Logistics: As companies begin to sell performance rather than physical
product, this chapter explores the implications for logistics management as the need to provide higher levels of service and customer support becomes ever more critical.

The latest edition of this market leading text has adopted a supply chain approach, one of the latest developments in logistics management. Its managerial focus blends logistics theory with practical applications and includes updated material of latest transportation regulations and carrier pricing.

With the growth of the food industry come unique logistics challenges, new supply routes, demand dynamics and investment re-shaping the future of the food logistics industry. It is therefore important for the food industry to innovate both with regards to demand management and sustainability of food sources for a growing population. Food Supply Chain Management and Logistics is an exciting new text that provides an accessible and essential guide to food supply chain management, considering the food supply chain from 'farm' to 'fork'. Samir Dani shows the reader how to stay ahead of the game by keeping abreast of global best practice, harnessing the very latest technology and squeezing efficiency and profit from increasingly complex supply chains. This book covers essential topics in food supply chain management, including: food supply chain production and manufacturing; food logistics; food regulation, safety and quality; food sourcing; food retailing; risk management; food innovation; technology trends; food sector and economic regeneration; challenges in International food supply chains; triple bottom line trends in the food sector; food security and future challenges.

The fifth edition of this established book represents the current trends, best practices, and latest thinking in global logistics. It serves as a forum allowing the contributors—a range of acknowledged logistics-sector specialists—to discuss key logistics issues and share their authoritative views.

Containing the most influential papers from the International Symposium on Logistics, Developments in Logistics and Supply Chain Management demonstrates the evolution in logistics and supply chain management since the 1990s. Technology in Supply Chain Management and Logistics: Current Practice and Future Applications analyzes the implications of these technologies in a variety of supply chain settings, including block chain, Internet of Things (IoT), inventory optimization, and medical supply chain. This book outlines how technologies are being utilized for product planning, materials management and inventory, transportation and distribution, workflow, maintenance, the environment, and in health and safety. Readers will gain a better understanding of the implications of these technologies with respect to value creation, operational effectiveness, investment level, technical migration and general industry acceptance. In addition, the book features case studies, providing a real-world look at supply chain technology implementations, their necessary training requirements, and how these new technologies integrate with existing business technologies. Identifies emerging supply chain technologies and trends in technology acceptance and utilization levels across various industry sectors Assists professionals with technology investment decisions, procurement, best values, and how they can be utilized for logistics operations Features videos showing technology application, including optimization software, cloud computing, mobility, 3D printing, autonomous vehicles, drones and machine learning.

Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations. Based on extensive research, this book covers the whole scope of sustainable logistics. The case studies, with particular attention for use in a teaching context, relate the theoretical concepts to practice and what is happening 'on the ground'. Sustainable Logistics and Supply Chain Management examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; environmental impact of freight transport; sustainable warehousing and storage; and much more. Sustainable Logistics and Supply Chain Management is a highly accessible guide to sustainable supply chain management. It provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green supply and logistics management. A vital teaching resource for courses on sustainable logistics, this revised edition includes valuable supporting online materials.

This book describes the fundamentals of Supply Chain Management in clear and concise terms. It explains why in the near future real competition is going to be between supply chains and what the consequences will be. Managers and decision-makers will be able to build on their business’s competitive advantage with the essentials provided in this work. The focus here is upon what you really need to know in order to optimally manage your processes in procurement, manufacturing, warehousing and logistics. In addition to a wealth of illustrations and examples, valuable suggestions for further expansive reading are included. Essential insights are provided into how to analyse and evaluate the supply chain, based upon key aspects from research and practice, which helps readers to initiate their own optimisation processes.

Using a reader-friendly, straightforward, yet interesting, approach, Langley/Novack/Gibson/Coyle’s SUPPLY CHAIN MANAGEMENT: A LOGISTICS PERSPECTIVE, 11E blends logistics theory with practical applications. The latest content highlights emerging issues, technology developments, and global changes in the constantly evolving field of supply chain management. Learn how today's public and private organizations are responding to the continual pressure to modernize and transform their supply chains. Updated features and short cases offer hands-on managerial experience with the opportunity to examine key decisions and circumstances that supply chain managers face daily. New profiles introduce each chapter with real organizations, people, or events that emphasize the importance of what you are learning. Technology-focused features and global content examine key areas where change is occurring and provide a meaningful perspective on how today's changes impact current and future supply chains. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This book provides an overview of important trends and developments in logistics and supply chain research, making them available to practitioners, while also serving as a point of reference for academicians. Operations and logistics are
cornerstones of modern supply chains that in turn are essential for global business and economics. The composition, character and importance of supply chains and networks are rapidly changing, due to technological innovations such as Information and Communication Technologies, Sensors and Robotics, Internet of Things, and Additive Manufacturing, to name a few (often referred to as Industry 4.0). Societal developments such as environmental consciousness, urbanization or the optimal use of scarce resources are also impacting how supply chain networks are configured and operated. As a result, future supply chains will not just be assessed in terms of cost-effectiveness and speed, but also the need to satisfy agility, resilience and sustainability requirements. To face these challenges, an understanding of the basic as well as more advanced concepts and recent innovations is essential in building competitive and sustainable supply chains and, as part of that, logistics and operations. These span multiple disciplines and geographies, making them interdisciplinary and international. Therefore, this book contains contributions and views from a variety of experts from multiple countries, and combines management, engineering as well as basic information technology and social concepts. In particular, it aims to: provide a comprehensive guide for all relevant and major logistics, operations, and supply chain management topics in teaching and business practice address three levels of expertise, i.e., concepts and principles at a basic (undergraduate, BS) level, more advanced topics at a graduate level (MS), and finally recent (state-of-the-art) developments at a research level. In particular the latter serve to present a window on current and future (potential) logistics innovations in the different thematic fields for both researchers and top business practitioners integrate a textbook approach with matching case studies for effective teaching and learning discuss multiple international perspectives in order to represent adequately the true global nature of operations, logistics and supply chains. 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 manner, this book examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; cleaner production; environmental impact of freight transport; sustainable warehousing and storage; sustainable supply management; reverse logistics and recycling; supply chain management strategy, and much more. The book provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green supply and logistics management. This revised edition of Sustainable Logistics and Supply Chain Management includes valuable supporting online materials, including PPT presentations, chapter summaries, learning objectives, tips for teaching and in class activities. Increasing customer needs, the globalization of markets and the evolution of e-commerce add to the complexity of logistic processes. In today's business, it is well understood that an effective management of logistic processes is impossible without the use of computer-based tools and quantitative methods. This book presents in a systematic way quantitative approaches to distribution logistics and supply chain management. The main orientation of the book is towards practical problem solving, and numerous case studies and practical applications are presented. The topics covered include: supply chain management, revers logistics, e-commerce, facility location and network planning, vehicle routing, warehousing, inventory control. The enterprise-focused framework of supply chain, which an overwhelming majority of books on supply chain management (SCM) have adopted, falls short in explaining recent developments in the real world, especially the so-called Wal-Mart model, in which a ‘factory’ is a virtual logistics network of multiple international manufacturing firms. The book fills the gap and examines supply chain and transport logistics. The book also includes the development of a unified methodological framework which underpins all the characteristics of the interrelationship between supply chain management and logistics. It covers many aspects of the important and innovative developments well. The book offers a unique coverage of integrated logistics of navigation, aviation and transportation. The book not only answers the urgent need for a book on supply chain management and transport logistics but also highlights the central role of supply chain logistics in the emerging fields of sustainable (green), humanitarian and maritime supply chains and the importance of studying supply chain management together with transport logistics. It also explains the difference between supply chain logistics and manufacturing logistics. It is a useful reference for those in the industry as well as for those taking related courses. A couple of decades ago, few companies focused on supply-chain management and logistics. Because of globalization, distribution enjoyed much of the focus. Various techniques and methods were developed to control costs and to improve sales. These past 20 years have seen growing understanding and focus on supply chain management. Today Supply Chain Management and logistics are considered mainstream in strategic planning and decision-making. Supply-chain and logistics management is leveraged to attain competitive advantage. Traditionally, the aim was to reduce costs by achieving economies of scale. However, today the focus on value creation and its delivery are in focus. Another significant change is of managing relationships with all partners of complex network chains. We may be right in saying globalization has fueled intense market competition, which has further made the markets volatile, uncertain and dynamic. These dynamic and uncertain markets demand companies to cope-up turbulent markets. Hence, companies acquire flexibility and responsive supply chains. As the actual costs of satisfying the customer are usually considerable, it is difficult to calculate these costs. Some costs are tangible and others intangible. As the costs vary company to company, sector to sector, industry to industry and region-to-region, the total costs of Managing logistical operations is 10% of total gross domestic product (GDP) of United States of America (State of Logistics). The aim and objective of a supply chain is
quite simple: to match supply and demand. However, given the uncertainties it is a difficult task to achieve. Uncertainties and vast marketplace today makes it strenuous to conduct the business on forecasts. The product lifecycles are getting shorter, huge demands with variety and competitive pressures demand companies to be innovative and be able to respond to changing demands of the market in a faster way. To achieve this, companies have to be agile (adjusting to market quickly) in their processes and organizational structure. There is another technique developed by Toyota in Japan famously known as Lean Technique where companies try to have just-in-time deliveries. The aim of lean management is to eliminate waste and reduce inventories. “Time is money” is a cliché well versed over the world but it does hold true in business, even more for logistics management. There is a direct proportionality between the length of supply chain, inventory and cost. Companies having longer lead times are less responsive and have potential risk of losing sales. Supply chains traditionally were a group of disconnected departments, processes, activities and elements. Internal elements off of a supply chain followed a philosophy to optimize departmental efficiencies. This created gaps and differences between functions on the entities of supply chain. A smaller end-to-end supply chain is competitively easier to manage and is responsive. Information plays a vital role in making a supply chain responsive. Sharing information helps integrating supply-chains; it improves coordination and collaboration. We discuss in this book how supply chains have transformed into demand chains or supply networks. Companies guard core activities and outsource the rest. Thus, to manage this complex network, information flows are necessary. Information technology helps connecting and linking activities, processes and entities in a supply chain. Making use of technology processes are simplified reducing lead-times considerably. Information Technology helps installing information systems, which can not only improve information sharing in quick time but also analyze the data. Information systems can help in making rational decisions based on marketplace information. This further enables companies to respond to customer demands and market fluctuations in a timely manner. Supply chains are no longer a group of independently working entities; current supply chains are integrated set of processes and activities, which function in a synchronized manner. Companies source worldwide, they have the facilities like manufacturing, distribution offshore this makes it difficult manage the entire supply network. Although, globalization offers larger market space, it comes with a few challenges. Markets across the world vary and companies have to categorize and design products as per regional requirements and demands in each place. This requires excessive coordination and collaboration to manage logistical and supply chain activities. To be successful in current turbulent markets, companies need to transform their organizational structure, strategic, managerial and operational level planning. Many leading companies have radically redesigned processes to achieve significant results. Shortening of product lifecycles, has made time to market a very critical factor. Just in time and flexible manufacturing enables companies to produce as per fluctuating market demands, but companies have to develop systems, which can respond to market situations. The biggest change in recent years is that companies no longer compete as independent entities, instead the competition is on the basis of supply chains. Companies merge, acquire and takeovers have changed market conditions. A growing demand for better customer service and quality the market has changed from a supplier’s market to a buyer’s market. Most of the markets have become commodity markets, where the availability of products at lower costs with better service and quality is the expectation. Companies failing to provide any of the order winners will potentially lose the customers to the competitors. Availability of substitute products and brands increases consumers bargaining power compared to the suppliers, manufacturers. In order to understand logistics and supply chain management in a context of current market conditions and current trends a solid foundation of logistics and supply chain management is essential. This book is an attempt to highlight the changes in comparison with traditional methods. We have listed and explained basic concepts in logistics and supply chain management. It can be used as a guide to understand the role and importance of logistics and supply chain management in an organization. We have paid special attention of the context included in the book. This book focuses on the basics of logistical and supply chain concepts, recent advancements and new philosophies used. The book’s language has been kept simple to make sure understanding of concepts is easy. The chapters of this book are arranged in a manner, starting from basics of supply chain management and logistics. Initial chapters focus on supply chain management nd logistics management understanding and a comparison between old ways of looking at SCM and logistics and recent changes brought in outlook. As we move ahead with chapters we have tried to detail almost all important aspects and elements playing role in supply chain management, their contribution and impacts on logistics and SCM. We hope this book meets reader’s expectations and helps readers to understand, ascertain the concepts of SCM and logistics. Global Logistics and Supply Chain Management is a comprehensive, fully up-to-date introduction to the subject. Addressing both practical and strategic perspectives, this revised and updated fourth edition offers readers a balanced and integrated presentation of Logistics and Supply Chain Management (LSCM) concepts, practices, technologies, and applications. Contributions from experts in specific areas of LSCM provide readers with real-world insights on supply chain relationships, transport security, inventory management, supply chain designs, the challenges inherent to globalization and international trade, and more. The text examines how information, materials, products, and services flow across the public and private sectors and around the world. Detailed case studies highlight LSCM practices and strategies in a wide range of contexts, from humanitarian aid and pharmaceutical supply chains to semi-automated distribution centers and port and air cargo logistics. Examples of LSCM in global corporations such as Dell Computer and Jaguar Land Rover highlight the role of new and emerging technologies. This edition features new and expanded discussion of contemporary topics including sustainability, supply chain vulnerability, and reverse logistics, and places greater emphasis on operations management. The ninth edition of SUPPLY CHAIN MANAGEMENT: A LOGISTICS PERSPECTIVE refined its focus on the supply chain approach by blending logistics theory with practical applications and includes updated material on the latest
technology, transportation regulations, pricing, and other issues. Each chapter opens with Supply Chain Profiles vignettes introducing students to real-world companies, people, and events. New and updated On the Line boxed features are applied examples providing students with hands-on managerial experience of the chapter's topics. Supply Chain Technology boxes appear throughout the text, helping students relate technological developments to supply chain management concepts and logistics practices while taking in consideration global changes. Short Cases at the end of each chapter are updated and build on what students have learned in the chapter. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The eighth edition of SUPPLY CHAIN MANAGEMENT: A LOGISTICS PERSPECTIVE has refined its focus on the supply chain approach, one of the latest developments in logistics management. Its strategic managerial focus blends logistics theory with practical applications and includes updated material on the latest technology, transportation regulations, pricing, and other issues. This market-leading text continues to focus on the integration of the supply chain approach as an important concept in understanding contemporary logistics management. In addition, this text focuses on changes in the way business is being done, with a particular emphasis on technology. Each chapter opens with Supply Chain Profiles, vignettes that introduce students to the chapter’s topics through familiar real-world companies, people, and events. For this new edition, the majority of the profiles have been changed. Each chapter also includes new and updated On the Line boxed features, which are applied examples that provide students with hands-on managerial experience of the chapter’s topics. Supply Chain Technology boxes appear throughout the text, helping students relate technological developments to supply chain management concepts and logistics practices. Short Cases at the end of each chapter are updated and build on what students have learned in the chapter. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book deals with complex problems in the fields of logistics and supply chain management and discusses advanced methods, especially from the field of computational intelligence (CI), for solving them. The first two chapters provide general introductions to logistics and supply chain management on the one hand, and to computational intelligence on the other hand. The subsequent chapters cover specific fields in logistics and supply chain management, work out the most relevant problems found in those fields, and discuss approaches for solving them. Chapter 3 discusses problems in the field of production and inventory management. Chapter 4 considers planning activities on a finer level of granularity which is usually denoted as scheduling. In chapter 5 problems in transportation planning such as different types of vehicle routing problems are considered. While chapters 3 to 5 rather discuss planning problems which appear on an operative level, chapter 6 discusses the strategic problem of designing a supply chain or network. The final chapter provides an overview of academic and commercial software and information systems for the discussed applications. There appears to be a gap between general textbooks on logistics and supply chain management and more specialized literature dealing with methods for computational intelligence, operations research, etc., for solving the complex operational problems in these fields. For readers, it is often difficult to proceed from introductory texts on logistics and supply chain management to the sophisticated literature which deals with the usage of advanced methods. This book fills this gap by providing state-of-the-art descriptions of the corresponding problems and suitable methods for solving them.

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