

Supply Chain Management And Reverse Logistics

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It is your utterly own time to do something reviewing habit. in the course of guides you could enjoy now is **Supply Chain Management And Reverse Logistics** below.

Managing Reverse Logistics Using System Dynamics: A Generic End-to-end Approach Martin Bonev 2012-03 As legislations have become stricter and the competition on markets is getting stronger, companies facing return flows strive for the implementation of efficient and cost-effective reverse logistic procedures. At the same time, when managing reverse logistics, they are not only confronted with a high degree of uncertainties concerning the quality, quantity and timing or the product returns, but also with a dynamically changing environment. Various aspects, such the increasing amount of return flows, shorter repair and lead times as well as increasing disposal costs, affect the reverse logistic system and need to be managed proficiently. Additionally, handling product returns requires supportive computer aided modelling tools that are capable of handling the dynamic and complex characteristics of the reverse logistic system and allow an improved estimation of the impact of a changing environment and management decisions. For the purpose of this study, the system dynamics modelling approach has been identified as particularly suitable for illustrating the system in question with a special focus on understanding the dynamic behaviour over time. A generic system dynamics model has been exemplarily created and simulated using the program iThink. The model comprises end-to-end processes of the main reverse logistic activities related to customer returns and has been used for studying the strategic design and optimization of the reverse logistic system. In order to consider relevant uncertainties as well as environmental concerns and economic efficiency, representative policies have been applied where, inter alia, with the help of the graphical illustration of the processes, effective strategies could be implemented. A general evaluation of the system dynamics methodology has revealed the significant advantages of using supportive modelling techniques for strategic decision making. Particularly for complex systems that change over time, such as reverse logistics, applying appropriate computer aided modelling tools in order to anticipate the overall effect on processes caused by varying surroundings has proven essential. An effective utilization of system dynamics may significantly reduce the forecasting and planning risks within individual frameworks, such as capacity planning. Moreover, the generic approach allows the application of the model to any other industry that is characterized by uncertain capacity utilization and varying technical, economical and legal conditions.

Supply Chain Management and Reverse Logistics Harald Dyckhoff 2012-11-23 The world of logistics has considerably changed due to globalization, modern information technology, and especially increasing ecological awareness. Large Supply Chain Management (SCM) systems are developing to global logistic networks. This book reflects major trends of the recent decade in SCM and, additionally, presents ideas and visions for logistic networks of the 21st century. Among the various aspects of SCM, emphasis is placed on reverse logistics: closing the loop of a supply chain by integrating waste materials into logistic management decisions.

Green Practices and Strategies in Supply Chain Management Syed Abdul Rehman Khan 2019-09-11 We look at green supply chain management from the vantage point of the triple bottom line: environmental, economic, and social. There are many sustainability decisions that can be made on which we have an incredible impact. Usually, managers have the opportunity to make decisions in five areas of the supply chain: plan, source, make, deliver, and return. Nowadays, consumers care more about where and how the products are produced and delivered, what they are made of, and who made them. Regulatory bodies are continuously creating pressure on firms to adopt eco-friendly practices in their businesses for better environmental sustainability. As a result, firms have just two choices: to adopt green and/or eco-friendly practices in their supply chain operations to fulfill their customers' and regulatory bodies' requirement or not to adopt green practices and lose their business position and potential customers.

Logistics Operations, Supply Chain Management and Sustainability Paulina Golinska 2014-06-10 The aim of this book is to present qualitative and qualitative aspects of logistics operations and supply chain management which help to implement the sustainable policy principles in the companies and public sector's institutions. Authors in individual chapters address the issues related to reverse network configuration, forward and reverse supply chain integration, CO2 reduction in transportation, improvement of the production operations and management of the recovery activities. Some best practices from different countries and industries are presented. This book will be valuable to both academics and practitioners wishing to deepen their knowledge in the field of logistics operations and management with regard to sustainability issues.

Operations, Logistics and Supply Chain Management Henk Zijm 2018-08-29 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.

Supply Chain Management and Reverse Logistics Harald Dyckhoff 2004 The world of logistics has considerably changed due to globalization, modern information technology, and especially increasing ecological awareness. Large Supply Chain Management (SCM) systems are developing to global logistic networks. This book reflects major trends of the recent decade in SCM and, additionally, presents ideas and visions for logistic networks of the 21st century. Among the various aspects of SCM, emphasis is placed on reverse logistics: closing the loop of a supply chain by integrating waste materials into logistic management decisions.

Principles of Supply Chain Management, Second Edition Richard E. Crandall 2014-12-11 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.

Scheduling in Green Supply Chain Management Wolfgang Albrecht 2021-04-01 This book presents scheduling with a medium- and short-term focus, which makes it possible to capitalize on fleeting market opportunities while simultaneously working to reconcile economic and environmental priorities. It introduces a new mixed-integer approach to hierarchical discrete-time and continuous-time scheduling, combining aspects of production and recycling, forward and reverse logistics as well as emissions trading for multi-stage supply chain networks. Problem-specific variants of relax-and-fix heuristics and genetic algorithms are also proposed. Given its scope, the book provides a range of practical tools and new perspectives for researchers and professionals in the field of supply chain management.

Introduction to Management of Reverse Logistics and Closed Loop Supply Chain Processes Donald F. Blumberg 2004-11-29 Increasing legislative and environmental pressure requires businesses to become more responsive to products that either have been returned or that are at the end of their useful lives. Life cycles are getting shorter, and efficient handling can save large amounts of money since many materials can be extracted and reused or redistributed. Reverse lo

Reverse Supply Chains Surendra M. Gupta 2016-04-19 Winner of IIE Book of the Month, December 2013 The introduction of reverse supply chains has created many challenges in network design, transportation, selection of used products, selection and evaluation of suppliers, performance measurement, marketing-related issues, end-of-life (EOL) alternative selection, remanufacturing, disassembly, and product acquisition management, to name a few. Under the guidance of an expert editor and with contributions from pioneers in the field, Reverse Supply Chains: Issues and Analysis addresses several important issues faced by strategic, tactical, and operation planners of reverse supply chains, using efficient models in a variety of decision-making situations providing easy-to-use mathematical and/or simulation modeling-based solution methodologies for a majority of the issues. The book introduces the basic concepts of reverse logistics and systematically analyzes the literature by classifying more than 400 published references into five major types of product returns. It then identifies the basic activities and scope of reverse logistics, examining its drivers and barriers as well as major issues and challenges. The chapters cover metrics for quantitatively comparing competing new-product designs for end-of-life disassembly on a reverse production line, how to use the theory of constraints thinking processes to determine the core problems in reverse logistics, and an integrated multi-criteria decision-making methodology using Taguchi loss functions AHP (Analytic Hierarchy Process) and fuzzy programming. They explore issues associated with remanufacturing and green and resilient supply chain management and propose system modeling based on graph theory and network flows application to analyze material resource flows in the life cycle of a product. Reverse supply chains is a new and fast growing area of research and only a handful of books are on the market, however those books discuss specific projects rather than provide a cohesive focus on the topics. This book will provide a foundation and understanding of the topic and also highlight how current issues can be approached in a decision-making situation—using the appropriate technique.

Sustainable Fashion Supply Chain Management Tsan-Ming Choi 2015-03-20 This handbook is a compilation of comprehensive reference sources that provide state-of-the-art findings on both theoretical and applied research on sustainable fashion supply chain management. It contains three parts, organized under the headings of "Reviews and Discussions," "Analytical Research," and "Empirical Research," featuring peer-reviewed papers contributed by researchers from Asia, Europe, and the US. This book is the first to focus on sustainable supply chain management in the fashion industry and is therefore a pioneering text on this topic. In the fashion industry, disposable fashion under the fast fashion concept has become a trend. In this trend, fashion supply chains must be highly responsive to market changes and able to produce fashion products in very small quantities to satisfy changing consumer needs. As a result, new styles will appear in the market within a very short time and fashion brands such as Zara can reduce the whole process cycle from conceptual design to a final ready-to-sell "well-produced and packaged" product on the retail sales floor within a few weeks. From the supply chain's perspective, the fast fashion concept helps to match supply and demand and lowers inventory. Moreover, since many fast fashion companies, e.g., Zara, H&M, and Topshop, adopt a local sourcing approach and obtain supply from local manufacturers (to cut lead time), the corresponding carbon footprint is much reduced. Thus, this local sourcing scheme under fast fashion would enhance the level of environmental friendliness compared with the more traditional offshore sourcing. Furthermore, since the fashion supply chain is notorious for generating high volumes of pollutants, involving hazardous materials in the production processes, and producing products by companies with low social responsibility, new management principles and theories, especially those that take into account consumer behaviours and preferences, need to be developed to address many of these issues in order to achieve the goal of sustainable fashion supply chain management. The topics covered include Reverse Logistics of US Carpet Recycling; Green Brand Strategies in the Fashion Industry; Impacts of Social Media on Consumers' Disposals of Apparel; Fashion Supply Chain Network Competition with Eco-labelling; Reverse Logistics as a Sustainable Supply Chain Practice for the Fashion Industry; Apparel Manufacturers' Path to World-class Corporate Social Responsibility; Sustainable Supply Chain Management in the Slow-Fashion Industry; Mass Market Second-hand Clothing Retail Operations in Hong Kong; Constraints and Drivers of Growth in the Ethical Fashion Sector: The case of France; and Effects of Used Garment Collection Programmes in Fast Fashion Brands.

An Executive's Guide to Reverse Logistics Curtis Greve 2012-03-01 In today's economy every business executive is looking for ways to reduce costs and improve customer satisfaction. Most of the usual steps, like cutting payroll, reducing expenses, and negotiating better deals, have been exhausted. Business leaders are now looking for new ideas to achieve their goals. In many organizations, reverse logistics is an area of untapped opportunity that can have a positive impact on both customers and earnings. It takes leadership and resources in order to take advantage of these opportunities but the payback can be significant. If you are new to the world of returns management the question is "How do you find hidden profits in reverse logistics?" "An Executive's Guide To Reverse Logistics" has the answers. If you are a supply chain executive who needs to understand more about reverse logistics, or if you

are a CEO or CFO looking for ways to reduce the financial impact of product recalls and customer returns, this book is for you. "An Executive's Guide To Reverse Logistics" is filled with explanations, facts, process flows, diagrams, tools, and best practices developed over the authors' combined 40 years of hands-on, reverse logistics experience. Simply put, this book is a roadmap that will help you find hidden profits by managing returns.

Closed-Loop Supply Chains Mark E. Ferguson 2016-04-19 Closed-loop supply chain activities such as remanufacturing, recycling, dismantling for spare parts, and reverse logistics have helped many companies tap into new revenue streams by finding secondary markets for their products, all while reducing their overall carbon footprint. A comprehensive yet concise presentation of closed-loop supply chain processes, *Closed-Loop Supply Chains: New Developments to Improve the Sustainability of Business Practices* investigates the state of the art in this rapidly growing and environmentally significant field. Written by academic experts, in language that is accessible to practitioners, this reader-friendly reference examines recent research and case studies of companies running profitable reuse/remanufacture/recycling operations in various industries. It illustrates profitable practices in returned and recovered products, and clearly explains how to: design a reverse logistics network, conduct production planning, implement effective marketing strategies for recovered products, and apply closed-loop supply chain strategies in other industries besides manufacturing. From product development to materials to assembly and profitability, this authoritative resource illustrates the impact of these processes across all aspects of the supply chain. It provides a business perspective of how to properly implement these processes in your company to achieve profitable and sustainable operations in a more environmentally friendly manner. It also: Investigates strategic decisions companies face in regard to the secondary market for their products, including opportunity costs Examines tactical issues firms will face once the decision to remanufacture has been made, including how to market remanufactured products Summarizes the key characteristics and practices in a variety of industries where remanufacturing has been successful Explains how to conceptualize and manage changes due to switching to a closed-loop supply chain Demonstrates how to handle changing legislation Designed for ease of reference, each chapter covers a specific topic—in a completely self-contained manner—allowing readers to quickly and easily reference the chapters of particular relevance to their industry and situation.

Supply Chain Management And Reverse Logistics Dyckhoff 2004-01-01

Reverse logistics. An analysis Lasse Skaksen 2013-09-11 Project Report from the year 2011 in the subject Business economics - Supply, Production, Logistics, grade: 9.5 of 10, Griffith University (MBA - Business), course: Strategic Supply Chain Management, language: English, abstract: This research report will describe, analyse and evaluate an increasingly relevant topic within global business logics, namely Reverse Logistics. Two main external drivers as well as the major internal motives to establish a Reverse Logistics network will be identified and examined. The following definition of Reverse Logistics by Hawks will be utilized in this report: "the process of planning, implementing, and controlling the efficient, cost effective flow of raw materials, in-process inventory, finished goods and related information from the point of consumption to the point of origin for the purpose of recapturing value or proper disposal" ("reference", 2006).

Quality Management in Reverse Logistics Yiannis Nikolaidis 2012-10-09 Quality Management in Reverse Logistics intends to develop, collect, examine and evaluate a number of quality management (QM) tools and techniques, which can be applied in practice in order to understand, review and improve any closed-loop supply chain process. In other words, the book aims to examine the existing relationship between various well-developed and thoroughly studied quality issues, such as QM, quality assurance, standardization of processes and statistical quality control and the emerging research area of reverse logistics. Quality Management in Reverse Logistics contains modeling and quantitative methods that could be used by practitioners and academics in the reverse logistics industry, as well as a thorough description of QM tools and techniques. The book leads the potential reader to broaden their scope of thinking and acting in the new, promising area of reverse logistics, where QM can be applied.

Principles of Global Supply Chain Management Yui-yip Lau 2019-06-15 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 and Logistics Management Made Easy Paul A. Myerson 2015-04-06 THE PRACTICAL, EASY INTRODUCTION TO MODERN SUPPLY CHAIN/LOGISTICS MANAGEMENT FOR EVERY PROFESSIONAL AND STUDENT! COVERS CORE CONCEPTS, PLANNING, OPERATIONS, INTEGRATION, COLLABORATION, NETWORK DESIGN, AND MORE SHOWS HOW TO MEASURE, CONTROL, AND IMPROVE ANY SUPPLY CHAIN INCLUDES PRACTICAL ADVICE FOR JUMPSTARTING YOUR OWN SUPPLY CHAIN CAREER This easy guide introduces the modern field of supply chain and logistics management, explains why it is central to business success, shows how its pieces fit together, and presents best practices you can use wherever you work. Myerson explains key concepts, tools, and applications in clear, simple language, with intuitive examples that make sense to any student or professional. He covers the entire field: from planning through operations, integration and collaboration through measurement, control, and improvement. You'll find practical insights on hot-button issues ranging from sustainability to the lean-agile supply chain. Myerson concludes by helping you anticipate key emerging trends—so you can advance more quickly in your own career. Trillions of dollars are spent every year on supply chains and logistics. Supply chain management is one of the fastest growing areas of business, and salaries are rising alongside demand. Now, there's an easy, practical introduction to the entire field: a source of reliable knowledge and best practices for students and professionals alike. Paul A. Myerson teaches you all you'll need to start or move forward in your own supply chain career. Writing in plain English, he covers all the planning and management tasks needed to transform resources into finished products and services, and deliver them efficiently to customers. Using practical examples, Myerson reviews the integration, collaboration, and technology issues that are essential to success in today's complex supply chains. You'll learn how to measure your supply chain's performance, make it more agile and sustainable, and focus it on what matters most: adding customer value. MASTER NUTS-AND-BOLTS OPERATIONAL BEST PRACTICES Improve procurement, transportation, warehousing, ordering, reverse logistics, and more BUILD A BETTER GLOBAL SUPPLY CHAIN Manage new risks as you improve sustainability STRENGTHEN KEY LINKAGES WITH YOUR PARTNERS AND CUSTOMERS Get supply chains right by getting collaboration right PREVIEW THE FUTURE OF SUPPLY CHAINS—AND YOUR SUPPLY CHAIN CAREER Discover "where the puck is headed"—so you can get there first

Quantitative Approaches to Distribution Logistics and Supply Chain Management Andreas Klose 2012-12-06 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, reverse logistics, e-commerce, facility location and network planning, vehicle routing, warehousing, inventory control.

Going Backwards Dale S. Rogers 1999

Special Issue: Sustainable Supply Chain Management and Reverse Logistics Vipul Jain 2012

Reverse Logistics Rommert Dekker 2013-06-05 This book addresses decision making in reverse logistics, which concerns the integration of used and obsolete products back into the supply chain as valuable resources. It covers a wide range of aspects, related to distribution, production and inventory management, and supply chain management. For each topic, it highlights key managerial issues in real-life examples and explains which quantitative models are available for addressing them. By treating a broad range of issues in a unified way, the book offers the reader a comprehensive view on the field of reverse logistics.

Supply Chain Management Incorporating Reverse Logistics V. Daniel R. Guide 2000

Handbook of Research on Supply Chain Management for Sustainable Development Akkucuk, Ulas 2018-05-11 The issue of sustainability has become a vital discussion in many industries within the public and private sectors. In the business realm, incorporating such practices allows organizations to redesign their operations more effectively. The *Handbook of Research on Supply Chain Management for Sustainable Development* is a critical scholarly resource that examines academic and corporate interest in sustainability in all facets of business management. Featuring coverage on a wide range of topics such as green supply chains, environmental standards, and production planning, this book is geared toward professionals, researchers, and managers seeking current and relevant research on optimizing supply chains to ensure fair labor practices, lower emissions, and a cleaner environment.

Supply Chain Management and Logistics in the Global Fashion Sector Rajkishore Nayak 2020-11-13 The ways in which we design, make, transport and then discard clothes has a huge social and environmental impact. This book covers responsible business practices and sustainability in the fashion industry from the raw fibre stage, through production, to the point of customer consumption. The concepts of responsibility and sustainability are fast becoming essential factors in business decisions and Responsible Supply Chain Management leads the reader through the multiple stages in the supply chain that can impact on business strategy. A perfect resource for students studying fashion and for those working in the sector who wish to identify the latest thinking as they plan sustainability strategies, the book is divided into four clear sections. The first introductory part of the book examines sustainability in the supply chain by identifying the main three pillars of sustainability (social, economic and environmental) and considers which fashion brands are innovating in this area. Part two looks at fashion logistics and supply chain operations by assessing fibre, yarn and fabric considerations, logistical issues for both garment production, and service delivery, stock control, transportation, barriers and risks. The third part develops the logistics theme further by identifying recent trends and case studies that highlight agility and lean management structures, and the application of transparency enhancing RFID. This section further applies modelling and simulation techniques from the automotive and pharmaceutical industries to the fashion sector. The final part considers how sustainability can be embedded into the multi-tiered fashion supply chain and its selling environment.

Global Logistics and Supply Chain Management John Mangan 2020-12-07 *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.

Reverse Logistics Implementation in Manufacturing Companies 2004

De Rol Van Reverse Logistics Binnen Green Supply Chain Management Arne Walraet 2009

Supply Chain Management and Reverse Logistics Harald Dyckhoff 2013-06-05 The world of logistics has considerably changed due to globalization, modern information technology, and especially increasing ecological awareness. Large Supply Chain Management (SCM) systems are developing to global logistic networks. This book reflects major trends of the recent decade in SCM and, additionally, presents ideas and visions for logistic networks of the 21st century. Among the various aspects of SCM, emphasis is placed on reverse logistics: closing the loop of a supply chain by integrating waste materials into logistic management decisions.

An Introduction to Supply Chain Management Edmund Prater 2013-02-01 If you're a manager of a supply chain operation, or a student learning about supply chain management, this book will provide not only an overview of supply chain management but also a framework for subsequent, more detailed study in various aspects of supply management. This book reviews the evolution of supply chain management concepts and discusses trends in global markets and strategic competitiveness. It then focuses on the major issues involved in managing a competitive supply chain including: forecasting, inventory management, distribution, dealing with uncertainty, reverse logistics, and customer service. Coverage of the dynamic, evolving issues pertaining to supply chains that affect the global business community concludes the book. With this book in hand, you'll be better equipped to conceptualize the management of supply chains as a collection of business processes; identify primary and secondary value chain processes; distinguish between the umbrella term, "supply chain management," and its component functions; and understand the basic tools of forecasting and the need for accurate data and forecasts on which to base supply chain management decisions.

Sustainable Operations and Supply Chain Management Valeria Belvedere 2017-03-20 *Sustainable Operations and Supply Chain Management* addresses the most relevant topics of operations and supply chain management from the perspective of sustainability. The main focus is to provide a step by step guide for managerial decisions made along the product life-cycle, following a path made up of the following steps: product design, sourcing, manufacturing, packaging and physical distribution, reverse logistics and recovery.

Green Supply Chain Management Charisios Achilles 2018-10-31 Today, one of the top priorities of an organization's modern corporate strategy is to portray itself as socially responsible and environmentally sustainable. As a focal point of sustainability initiatives, green supply chain management has emerged as a key strategy that can provide competitive advantages with significant parallel gains for company profitability. In designing a green supply chain, the intent is the adoption of comprehensive and cross-business sustainability principles, from the product conception stage to the end-of-life stage. In this context, green initiatives relate to tangible and intangible corporate benefits. Sustainability reports from numerous companies reveal that greening their supply chains has helped reduce operating cost, thus boosting effectiveness and efficiency while increasing sustainability of the business. *Green Supply Chain Management* provides a strategic overview of sustainable supply chain management, shedding light on the theoretical background and key principles of the topic. Specifically, this book covers various thematic areas including benefits and impact of green supply chain management; enablers and barriers on supply chain operations; inbound and outbound logistics considerations; and production, packaging and reverse logistics under the notion of "greening". The ultimate aim of this textbook is to highlight the challenges in the implementation of green supply chain management in modern companies and to provide a roadmap for decision-making in real-life cases. Combining chapter summaries and discussion questions, this book provides an accessible and student-friendly introduction to green supply change management and will be of great interest to students, scholars and practitioners in the fields of sustainable business and supply chain management.

Supply Chain Management Models Hamed Fazlollahtabar 2018-01-02 Supply Chain Management (SCM) is a wide field in which several specialties are included. In general, operations and production management players use SCM to organize the problems and analyze the solution approaches. Due to these points, a reference which can encompass a range of problems and their modelling approaches is required. This book will contain three general sections of forward, reverse, intelligent, and uncertain problems. While the book provides different problems in

the three commonly used categories in SCM, it is very helpful for the readers to find out, or adapt their own application studies to the ones given in the book and employ the corresponding modeling approach.

Reverse Supply Chain A Complete Guide - 2020 Edition Gerardus Blokdyk 2020-05-11 Who are the actors involved in your reverse supply chain management? How should companies select business strategies for the reverse supply chains to realize and maintain its efficiency and effectiveness? What are the big companies that manage reverse logistics reverse supply chain? How to optimize reverse supply chains considering economic and environmental factors/costs? What is the leading differentiator for your reverse supply chain? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make Reverse Supply Chain investments work better. This Reverse Supply Chain All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Reverse Supply Chain Self-Assessment. Featuring 953 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Reverse Supply Chain improvements can be made. In using the questions you will be better able to: - diagnose Reverse Supply Chain projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Reverse Supply Chain and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Reverse Supply Chain Scorecard, you will develop a clear picture of which Reverse Supply Chain areas need attention. Your purchase includes access details to the Reverse Supply Chain self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Reverse Supply Chain Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

Principles of Supply Chain Management Richard E. Crandall 2009-12-15 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.

Enterprise Supply Chain Management Vivek Sehgal 2009-06-01 ENTERPRISE SUPPLYCHAIN MANAGEMENT Integrating Best-in-Class Processes Is supply chain management all about forecasting? Or is it just a warehousing and transportation function? Demystifying the mystery supply chain management is for many, Enterprise Supply Chain Management: Integrating Best-in-Class Processes offers a comprehensive look at the role of this field within your own organization. Written by industry leader Vivek Sehgal, this book invites you to evaluate your current supply chain practices and leverage its best in class concepts to your own challenges. Drawing from the author's abundant research and analysis, this resourceful book shows how to manage a supply chain across an enterprise, encompassing technological, financial, procurement, and operational issues. You will find in this book a thoroughly functional view of supply chain, so you can readily understand the meaning of processes

and where they fit into your company's big picture. This essential book covers: A primer on supply chain and finance Elements of a supply chain model The scope of the supply chain Demand and supply planning Supply chain network design Transportation and warehouse management Supply chain collaboration Reverse logistics management Supply chain technology Whether you are a business manager, an IT manager, or a supply chain student, if you are looking for more of a comprehensive understanding of what each of the supply chain processes in your organization brings to the table and how each functions as part of the whole, Enterprise Supply Chain Management: Integrating Best-in-Class Processes is for you. Immensely functional on all aspects of supply chain management, this guide clearly explains how each process works and the relationships among them, allowing you to start implementing best-in-class approaches in your organization.

Sustainable Logistics and Supply Chain Management (Revised Edition) David B. Grant 2015-03-03 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 **Integrating Green Logistics into Supply Chains** 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.

Reverse Logistics Mike Bernon 2015-03-10 While reverse logistics has always been an important part of the supply chain, its importance has grown substantially in the past few years. This has been driven by: increasingly generous returns policies, growing legislation on product disposal, evermore global supply chains, rising consumer social responsibility and awareness of the cost-saving potential. Moreover, research from Cranfield School of Management shows that companies can reduce costs by 20-40% by using reverse logistics techniques. In The Handbook of Reverse Logistics, Mike Bernon, John Cullen and Jonathan Gorst cover all the key issues in reverse logistics, including: reducing the level of returns; developing effective product return networks; options for product disposal that maximize asset recovery; and sustainable distribution. There is a dedicated chapter on circular supply chains. The book also features a valuable self-assessment audit tool for reverse logistics and is full of international case studies.

SUPPLY CHAIN MANAGEMENT AND REVERSE LOGISTICS Ilyas Masudin 2017-03-07 The study of logistics and supply chain management become a trending topic recently. Researcher and practitioners have been working to elaborate the concept, strategy, framework and application of logistics and supply chain management in industrial operations. Thus, the competition is not between firms any more but it is all about logistics and supply chain management strategy competition. The progress of world wide regulations and law, global completion, the increasing demand from customers in social and environmental considerations and the sustainability issues has forced researchers and industrial practitioners to expand the perspective on beyond logistics and supply chain management concept. Reverse logistics and green supply chain management are such the innovative ideas for researcher to discuss and for industry practitioners to adopt. This book attempts to describe the concept of supply chain management and logistics in traditional system and figure out the progress of green supply chain management and reverse logistics study. The first two chapters of this book overviews the concept of supply chain management in both perspective application of strategic and operational levels based supply chain management's business process and supply chain management elements. The last two chapters of this book give more attention on these areas: green supply chain management and reverse logistics specifically on the previous study has been done by researchers. The overview and review of green supply chain management and reverse logistics in this book would help readers to understand more about the concept of logistics and supply chain management and would give new directions of further research in green supply chain management and reverse logistics.

Simme D.P. Flapper 2006-03-06 Closed-Loop Supply Chains (CLSC) offer companies a unique opportunity to improve their profits whilst serving societal responsibility. The management of CLSC differs in a number of ways from managing supply chains in general. The book examines these differences and how these differences may be dealt with in practice, by offering a concrete framework, introducing the different aspects related to CLSC and their mutual relations, in a systematic logical way as well as cases clustered according to the inputs for a CLSC. The framework and especially the cases from successful companies offer the reader an invaluable help to build and improve CLSC.