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Transportation - John Joseph Coyle 1994

This text takes a managerial approach in addressing the full range of traditional transportation topics and concepts. Fourth edition features greater coverage of international transportation and new chapters on quality, demand, business logistics, and carrier operations and terminals. It covers such topics as analyses of private carriage and negotiations with for-hire carriers. Stop-Off sections study examples from magazines and trade journals. Short end-of-chapter cases and longer end-of-text cases challenge students with in-depth problems.

Purchasing and Supply Chain Management - Robert M. Monczka 2005
Resource added for the Supply Chain Management program 101821.

Basic Neurochemistry - Scott Brady 2011-11-02

Basic Neurochemistry: Principles of Molecular, Cellular, and Medical Neurobiology, the outstanding and comprehensive classic text on neurochemistry, is now newly updated and revised in its Eighth Edition. For more than forty years, this text has been the worldwide standard for information on the biochemistry of the nervous system, serving as a resource for postgraduate trainees and teachers in neurology, psychiatry, and basic neuroscience, as well as for medical, graduate, and postgraduate students and instructors in the neurosciences. The text has evolved, as intended, with the science. It is also an excellent source of current information on basic biochemical and cellular processes in brain function and neurological diseases for continuing medical education and qualifying examinations. This text continues to be the standard reference and textbook for exploring the translational nature of neuroscience, bringing basic and clinical neuroscience together in one authoritative volume. Our book title reflects the expanded attention to these links between neurochemistry and neurologic disease. This new edition continues to cover the basics of neurochemistry as in the earlier editions, along with expanded and additional coverage of new research from: Intracellular trafficking; Stem cells, adult neurogenesis, regeneration; Lipid messengers; Expanded coverage of all major neurodegenerative and psychiatric disorders; Neurochemistry of addiction; Neurochemistry of pain; Neurochemistry of hearing and balance; Neurobiology of learning and memory; Sleep; Myelin structure, development, and disease; Autism; and Neuroimmunology. Completely updated text with new authors and material, and many entirely new chapters Over 400 fully revised figures in splendid color 61 chapters covering the range of cellular, molecular and medical neuroscience Translational science boxes emphasizing the connections between basic and clinical neuroscience Companion website at <http://elsevierdirect.com/companions/9780123749475>

Foodservice Organizations - Mary B. Gregoire 2013

Organized around the well-proven foodservice systems model, *FOOD SERVICE ORGANIZATIONS: A MANAGERIAL AND SYSTEMS APPROACH, 8/e* provides detailed and current information on how managers can optimally transform human, material, facility, and operational inputs into outputs of meals, customer satisfaction, employee satisfaction, and financial accountability. Blending theory and practice, it gives foodservice managers a strong empirical base for managing operations. After thoroughly introducing the model, it presents in-depth coverage of each functional subsystem: procurement, production, distribution, service, safety, sanitation, and maintenance. Next, readers master today's most relevant leadership, communication, decision making, HR, financial, and marketing techniques. The book concludes with a full section on system outputs, including methods for evaluating them. This edition adds new coverage of sustainability; updated information on energy management and food safety; expanded coverage of marketing and globalization; and the latest dietary guidelines.

Technology in Supply Chain Management and Logistics - Anthony M. Pagano 2019-09-07

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

Principles of Supply Chain Management - Joel D. Wisner 2008-05-01
Streamline your studying and get the grade you want with *PRINCIPLES OF SUPPLY CHAIN MANAGEMENT: A BALANCED APPROACH, Second Edition*.

With this textbook, you'll learn from real case studies, as well as games--like The Beer Game Supply Chain Management Simulation--how to understand and apply supply chain management. The coverage in this text uses a broad brush to encompass OM, purchasing, and logistics with a supply chain management focus, covering a great deal of content that isn't currently available elsewhere. The book guides you through how all aspects of supply chain activity are accomplished effectively and efficiently. It brings you the real world of supply chain management. The authors break down supply chain issues into purchasing, operations, and logistics. This is one of the most--if not the most--balanced supply chain management texts available, and it follows a natural flow through the supply chain. The well-organized chapters include excellent case studies, demonstrating the practical application of supply chain management in the workplace. Profiles throughout the text reinforce the studies, and help to reinforce your learning. This second edition also includes a number of new cases, in addition to the previous 15 cases, all packaged on the Student CD. Each of the 14 chapters includes revised and updated Supply Chain Management in Action opening features, e-Business Connection features, Global Perspective features, and company examples to ensure that current supply chain management issues are covered in depth.

European and Japanese Logistics Paradigms - Masato Shinohara 2006

The Geography of Transport Systems - Jean-Paul Rodrigue 2013-07-18

Mobility is fundamental to economic and social activities such as commuting, manufacturing, or supplying energy. Each movement has an origin, a potential set of intermediate locations, a destination, and a nature which is linked with geographical attributes. Transport systems composed of infrastructures, modes and terminals are so embedded in the socio-economic life of individuals, institutions and corporations that they are often invisible to the consumer. This is paradoxical as the perceived invisibility of transportation is derived from its efficiency. Understanding how mobility is linked with geography is main the purpose of this book. The third edition of *The Geography of Transport Systems* has been revised and updated to provide an overview of the spatial aspects of transportation. This text provides greater discussion of security, energy, green logistics, as well as new and updated case studies, a revised content structure, and new figures. Each chapter covers a specific conceptual dimension including networks, modes, terminals, freight transportation, urban transportation and environmental impacts. A final chapter contains core methodologies linked with transport geography

such as accessibility, spatial interactions, graph theory and Geographic Information Systems for transportation (GIS-T). This book provides a comprehensive and accessible introduction to the field, with a broad overview of its concepts, methods, and areas of application. The accompanying website for this text contains a useful additional material, including digital maps, PowerPoint slides, databases, and links to further reading and websites. The website can be accessed at:

<http://people.hofstra.edu/geotrans> This text is an essential resource for undergraduates studying transport geography, as well as those interest in economic and urban geography, transport planning and engineering. *System Dynamics Modelling* - R.G. Coyle 1996-05-01

With NATO's bombing campaign against Serbia now over, what strategic, long-range plans will the alliance employ to restore stability to the region? As the global economy continually changes in response to worldwide events, what investment strategies will firms implement to cope with changing markets? And how can major pharmaceutical companies solve the problem of having newly-developed products abandoned before they can even be launched on the market? This book is designed and written to give the applied statistician an insight into all these areas of investigation.

Logistics - Harald Gleissner 2014-02-11

Logistics is the ideal book for Bachelor students of logistics, providing a solid foundation as well as a practical guide. In modular and clear form, it explains key concepts, principles, and practices of logistics. Learning objectives as well as several case studies are integrated into each chapter. It features chapters on Principles of Logistics; Logistics Systems; Transport Systems and Logistics Services; Warehousing, Handling and Picking Systems; Inventory, Stock and Provisioning Management; Logistics Network Planning; IT in Logistics; and Logistics Controlling. In addition, the second fully updated German edition has been extended by the chapters Logistics Infrastructure and Investment and Financing in Logistics. "This book offers, in a very clear and concise manner, access to fundamental management topics of modern logistics. Well-chosen case studies serve to illustrate best practice solutions." Professor Peter Klaus, member of Logistics Hall of Fame "This new textbook facilitates a comprehensive and easy-to-grasp insight into the complex subject area of logistics. The authors have succeeded in presenting a good mix of theoretical foundation and practical application. Due to its clear structure and extensive range of topics, this book is highly suitable not only for students, but also for practitioners." Bernhard Simon, Managing Director, DACHSER GmbH & Co. KG

Transportation: A Global Supply Chain Perspective - Robert A. Novack 2018-03-08

TRANSPORTATION: A SUPPLY CHAIN PERSPECTIVE, 9E provides essential coverage of what is arguably the most critical and complex component of global supply chains. This edition explains the fundamental role and importance of transportation in companies and society, as well as the complex environment surrounding transportation service. A solid framework highlights the role of transportation in supply chains and overviews the operating and service characteristics, cost structure, and challenges that today's transportation providers face. This edition emphasizes critical transportation management issues with insights into the strategic activities and challenges involved in the movement of goods. TRANSPORTATION emphasizes contemporary global topics with the latest coverage of hard and soft technology and discussions of fuel, energy, managerial, economic, and environmental issues. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mastering the Supply Chain - Ed Weenk 2019-03-03

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.

Purchasing and Supply Chain Management - W. C. Benton 2010

This text outlines the most current methods in purchasing and supply chain management. Real case studies and exercises help students transform purchasing theory into purchasing practice and implementation. Topics include purchasing business processes, price cost analysis, professional services, and healthcare purchasing.

Delivering Customer Value Through Procurement and Strategic Sourcing - Walter L. Wallace 2015

"Companies of all sizes are seeking to transform their procurement and supplier relationship management processes: activities that have a tremendous upside potential for improved supply chain effectiveness and efficiency. Now, two leading consultants and researchers offer a comprehensive approach to creating customer value through strategic sourcing and procurement. Unlike texts focused primarily on day-to-day operations and tactics, *Delivering Customer Value through Procurement and Strategic Sourcing* focuses on helping senior executives and managers gain sustainable competitive advantage from their supply chains."--Publisher's website.

Transportation: A Global Supply Chain Perspective - John J. Coyle 2015-04-08

Delivering comprehensive coverage of current domestic and global trends, TRANSPORTATION: A SUPPLY CHAIN PERSPECTIVE, 8E equips readers with a solid understanding of what is arguably the most critical—and complex—component of global supply chains. Taking a managerial approach, the text explains the fundamental role and importance of transportation in companies and in society, as well as the complex environment in which transportation service is provided today. It provides a framework and foundation for the role of transportation from a micro and macro perspective in supply chains. It also offers an overview of the operating and service characteristics, cost structure, and current challenges faced by current providers of transportation. In addition, the authors spotlight a variety of critical transportation management issues, providing insightful discussions of the strategic activities and challenges involved in the movement of goods through the supply chain. Completely up to date, the Eighth Edition features new readings, cases, and examples. It emphasizes global topics throughout, includes new coverage of hard and soft technology, and offers expanded discussions of fuel, energy, managerial, economic, and environmental issues. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Shipping and Logistics Management - Yuen Ha (Venus) Lun 2010-04-07

Shipping and Logistics Management serves to consolidate the knowledge its authors have acquired from being educators and observers of the shipping industry. Against the background of a global business environment, it explains how the shipping market functions, examining the strategic and operational issues that affect entrepreneurs in this industry. The authors discuss global trends and strategies in the shipping business, looking at the role of logistics service providers and at how the use of information technology can help shipping operations. Shipping and Logistics Management also aims to answer several important questions in the shipping industry, including: what are the shipping cost structures?, what are the patterns of sea transport? and how do companies in the shipping industry operate? An invaluable source of information for researchers and advanced, or graduate, students, Shipping and Logistics Management is also a useful reference for shipping practitioners and consultants.

Designing and Managing the Supply Chain 3e with Student CD - David Simchi-Levi 2007-07-23

Designing and Managing the Supply Chain, 3/e provides state-of-the-art models, concepts, and solution methods that are important for the design, control, operation, and management of supply chain systems. In particular, the authors attempt to convey the intuition behind many key supply chain concepts and to provide simple techniques that can be used to analyze various aspects of the supply chain. Topical coverage reflects the authors' desire to introduce students to those aspects of supply chain management that are critical to the success of a business. Although many essential supply chain management issues are interrelated, the authors strive to make each chapter as self-contained as possible, so that the reader can refer directly to chapters covering topics of interest. Each chapter utilizes numerous case studies and examples, and mathematical

and technical sections can be skipped without loss of continuity. The 3rd edition represents a substantial revision. While the structure and philosophy were kept intact, the authors placed an increasing importance on finding or developing effective frameworks that illustrate many important supply chain issues. At the same time, motivated by new developments in industry, they added material on a variety of topics new to the book while increasing the coverage of others.

Supply Chain Management: A Logistics Perspective - John J. Coyle
2012-03-02

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.

Maritime Logistics - Dong-Wook Song 2015-04-03

Globalisation and the rapid increase in world trade in the past decade have contributed to greater demand for international transport and logistics and, consequently, the expansion of the maritime industry. The dramatic changes in the mode of world trade and cargo transportation make it more important than ever to have a clear understanding of the way in which freight is transported by sea and the role of ports in this exchange. At the cutting edge in its assessment of the industry, Maritime Logistics covers the whole scope of maritime logistics and examines latest logistical developments within the port and shipping industry. With a range of new international contributors, this new edition has been thoroughly revised and updated. There are new chapters on port centric logistics, hinterland logistics and global supply chains, maritime transport and logistics as a trade facilitator, and future trends and developments. Written by a team of international experts with over fifty years' experience in the field, Maritime Logistics provides a truly global perspective. The book covers everything that students of logistics, as well as those working within the industry, need to know about maritime logistics, including shipping lines, containers, tankers, dry bulk, port-centric logistics, and much more.

Multimodal Transport Systems - Slim Hammadi 2013-12-11

The use and management of multimodal transport systems, including car-pooling and goods transportation, have become extremely complex, due to their large size (sometimes several thousand variables), the nature of their dynamic relationships as well as the many constraints to which they are subjected. The managers of these systems must ensure that the system works as efficiently as possible by managing the various causes of malfunction of the transport system (vehicle breakdowns, road obstructions, accidents, etc.). The detection and resolution of conflicts, which are particularly complex and must be dealt with in real time, are currently processed manually by operators. However, the experience and abilities of these operators are no longer sufficient when faced with the complexity of the problems to be solved. It is thus necessary to provide them with an interactive tool to help with the management of disturbances, enabling them to identify the different disturbances, to characterize and prioritize these disturbances, to process them by taking into account their specifics and to evaluate the impact of the decisions in real time. Each chapter of this book can be broken down into an approach for solving a transport problem in 3 stages, i.e. modeling the problem, creating optimization algorithms and validating the solutions. The management of a transport system calls for knowledge of a variety of theories (problem modeling tools, multi-objective problem classification, optimization algorithms, etc.). The different constraints increase its complexity drastically and thus require a model that represents as far as possible all the components of a problem in order to better identify it and propose corresponding solutions. These solutions are then evaluated according to the criteria of the transport providers as well as those of the city transport authorities. This book consists of a state of the art on innovative transport systems as well as the possibility of coordinating with the current public transport system and the authors clearly illustrate this coordination within the framework of an intelligent transport system.

Contents 1. Dynamic Car-pooling, Slim Hammadi and Nawel Zangar. 2. Simulation of Urban Transport Systems, Christian Tahon, Thérèse Bonte and Alain Gibaud. 3. Real-time Fleet Management: Typology and Methods, Frédéric Semet and Gilles Goncalves. 4. Solving the Problem of Dynamic Routes by Particle Swarm, Mostefa Redouane Khouahjia, Laetitia Jourdan and El Ghazali Talbi. 5. Optimization of Traffic at a Railway Junction: Scheduling Approaches Based on Timed Petri Nets, Thomas Bourdeaud'huy and Benoît Trouillet. About the Authors Slim Hammadi is Full Professor at the Ecole Centrale de Lille in France, and Director of the LAGIS Team on Optimization of Logistic systems. He is an IEEE Senior Member and specializes in distributed optimization, multi-agent systems, supply chain management and metaheuristics. Mekki Ksouri is Professor and Head of the Systems Analysis, Conception and Control Laboratory at Tunis El Manar University, National Engineering School of Tunis (ENIT) in Tunisia. He is an IEEE Senior Member and specializes in control systems, nonlinear systems, adaptive control and optimization. The multimodal transport network customers need to be oriented during their travels. A multimodal information system (MIS) can provide customers with a travel support tool, allowing them to express their demands and providing them with the appropriate responses in order to improve their travel conditions. This book develops methodologies in order to realize a MIS tool capable of ensuring the availability of permanent multimodal information for customers before and while traveling, considering passengers mobility.

Developing Tailored Supply Strategies - Nancy Y. Moore 2007

Purchased goods and services are an increasingly large proportion of public and private enterprise budgets. Historically, purchased goods and services have accounted for less than a third of an enterprise's budget, but today many enterprises spend more than two-thirds of their budgets on purchased goods and services. Similarly, the Air Force and the Department of Defense (DoD) spend nearly half their budgets for purchased goods and services and an additional sixth on weapon procurement (with only a third going to military and civilian personnel costs). (See pp. 1-6.) Because of the growing importance of purchasing, many enterprises have sought to develop supply strategies for their purchased goods and services. This monograph is intended as a resource for procurement personnel developing supply strategies for the Air Force or DoD. It does not analyze current military procurement practices but rather synthesizes academic, business, and professional literature on developing and applying supply strategies. Its core is a synthesis of nearly a dozen different processes found in the literature.

Managing Human Resources - Stephen Bach 2013-01-22

This revised edition is a comprehensive, authoritative set of essays. It is more detailed and analytical than the mainstream treatments of HRM. As in previous editions, Managing Human Resources analyses HRM, the study of work and employment, using an integrated multi-disciplinary approach. The starting point is a recognition that HRM practice and firm performance are influenced by a variety of institutional arrangements that extend beyond the firm. The consequences of HRM need to incorporate analysis of employees and other stakeholders as well as the implications for organizational performance.

The Management of Business Logistics - John J. Coyle 2003

Supply Chain Management: A Logistics Perspective - John J. Coyle
2016-02-17

The tenth 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.

International Logistics - Pierre David 2003-11-05

Includes all of the information needed to gain a complete understanding of the ins and outs of exports and imports, types of shipping, international laws related to logistics and transportation of goods, financial processing, and distribution channels. Up-to-date tables and charts showing various critical systems, forms, requirements, and import and export regulations.

Thorough discussion of INCOTERMS, insurances, and infrastructures. Photographs of forms of transportation, proper packaging procedures and outcomes, and other areas in which visual references are useful. The supplements package includes an Instructor's Manual, an Exam-View Test Bank with over 650 questions, and over 150 PowerPoint slides.

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.

Strategic Management and Business Policy - Thomas L. Wheelen 1998

The Essentials of Supply Chain Management - Hokey Min 2015-05-23

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.

Contemporary Logistics, Global Edition - Paul Regis Murphy 2017-12-20

For undergraduate and graduate courses in Logistics A dynamic foundation to the global study of contemporary logistics A market-leading text, *Contemporary Logistics* explores modern logistics from a managerial perspective. These are characterized by geopolitical tensions in parts of the world, steadily increasing trade, supply chain vulnerabilities caused by severe natural disasters, and an unabated pace of technological advancement. In it, readers see theory come to life through timely, practical, and exciting coverage of logistics fundamentals, and challenges and opportunities for logistics managers in today's dynamic global landscape. The 12th Edition provides the most up-to-date insights and perspectives sourced from reviewers, adopters, and other stakeholders.

Understanding the Global Energy Crisis - Richard A. Simmons 2014-03-15

We are facing a global energy crisis caused by world population growth, an escalating increase in demand, and continued dependence on fossil-based fuels for generation. It is widely accepted that increases in greenhouse gas concentration levels, if not reversed, will result in major changes to world climate with consequential effects on our society and economy. This is just the kind of intractable problem that Purdue University's Global Policy Research Institute seeks to address in the Purdue Studies in Public Policy series by promoting the engagement between policy makers and experts in fields such as engineering and technology. Major steps forward in the development and use of technology are required. In order to achieve solutions of the required scale and magnitude within a limited timeline, it is essential that engineers be not only technologically-adept but also aware of the wider social and political issues that policy-makers face. Likewise, it is also imperative that policy makers liaise closely with the academic community in order to realize advances. This book is designed to bridge the gap

between these two groups, with a particular emphasis on educating the socially-conscious engineers and technologists of the future. In this accessibly-written volume, central issues in global energy are discussed through interdisciplinary dialogue between experts from both North America and Europe. The first section provides an overview of the nature of the global energy crisis approached from historical, political, and sociocultural perspectives. In the second section, expert contributors outline the technology and policy issues facing the development of major conventional and renewable energy sources. The third and final section explores policy and technology challenges and opportunities in the distribution and consumption of energy, in sectors such as transportation and the built environment. The book's epilogue suggests some future scenarios in energy distribution and use.

Managing for Quality and Performance Excellence - James R. Evans 2013-01-02

Provide a description about the book that does not include any references to package elements. This description will provide a description where the core, text-only product or an eBook is sold. Please remember to fill out the variations section on the PMI with the book only information. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Green Logistics - Alan McKinnon 2015-02-03

The transport, storage and handling of goods impose a heavy burden on the environment. As concern for the environment rises, companies must take more account of the external costs of logistics associated mainly with climate change, air pollution, noise, vibration and accidents. Leading the way in current thinking on environmental logistics, *Green Logistics* provides a unique insight on the environmental impacts of logistics and the actions that companies and governments can take to deal with them. It is written by a group of leading researchers in the field and provides a comprehensive view of the subject for students, managers and policy-makers. Fully updated and revised, the 3rd Edition of *Green Logistics* takes a more global perspective than previous editions. It introduces new contributors and international case studies that illustrate the impact of green logistics in practice. There is a new chapter on the links between green logistics and corporate social responsibility (CSR) and a series of postscripts examining the likely effects of new developments, such as 3D printing and distribution by drone, on the environmental footprint of logistics. Other key topics examined in the book include: carbon auditing of supply chains; transferring freight to greener transport modes; reducing the environmental impact of warehousing; improving the energy efficiency of freight transport; making city logistics more environmentally sustainable; reverse logistics for the management of waste; role of government in promoting sustainable logistics Ideal for use on related courses, the 3rd Edition of *Green Logistics* includes indispensable online supporting materials, including graphics, tables and chapter summaries, as well as technical information and guidelines for teachers and lecturers. The book is endorsed by the Chartered Institute of Logistics and Transport (CILT).

The Management of Business Logistics - John Joseph Coyle 1980

Logistics and Supply Chain Integration - Ian Sadler 2007-06-12

For students who want to advance their understanding of company logistics and supply chains, the author examines how a number of firms in a supply chain work together to create a flow of products and services that satisfies end customers, whilst enabling all the manufacturing and service companies involved to grow profitably. Including the most recent concepts and theoretical advances to emerge from the field of logistics and supply chain management, this text informs and assists its readers with the aid of case studies and accompanying questions, diagrams, photos and an accompanying website.

Distribution Planning and Control - David F. Ross 2011-06-27

When work began on the first volume of this text in 1992, the science of distribution management was still very much a backwater of general management and academic thought. While most of the body of knowledge associated with calculating EOQs, fair-shares inventory deployment, productivity curves, and other operations management techniques had long been solidly established, new thinking about distribution management had taken a definite back-seat to the then dominant interest in Lean thinking, quality management, and business process reengineering and their impact on manufacturing and service organizations. For the most part, discussion relating to the distribution function centered on a fairly recent concept called Logistics Management. But, despite talk of how logistics could be used to integrate internal and external business functions and even be considered a source of com

petitive advantage on its own, most of the focus remained on how companies could utilize operations management techniques to optimize the traditional day-to-day shipping and receiving functions in order to achieve cost containment and customer fulfillment objectives. In the end, distribution management was, for the most part, still considered a dreary science, concerned with transportation rates and cost trade-offs. expediting and the tedious calculus Today, the science of distribution has become perhaps one of the most important and exciting disciplines in the management of business.

Total Cost Analysis in Logistics - Björn Oskarsson 2019-11-01

Cost is considered a crucial factor in much decision-making in private and public organisations. Therefore, the ability to calculate total estimated costs for different alternatives is important. However, such total cost analysis is a challenging task. Providing students with the knowledge and skills needed for total cost analysis is therefore relevant in several disciplines within higher education. Within logistics management, total cost analysis is for decades by several scholars regarded as a 'cornerstone', a fundamental part of the discipline. However, except for describing the basic steps and presumptions, the literature does not give much support concerning how to conduct such analyses, or which the difficulties associated with total cost analysis are. This blank space in literature is not limited to the logistics discipline, it stretches throughout many disciplines. Neither does literature cover how to teach to support students' learning of total cost analysis. Hence, to address the lack of research, the purpose of this thesis was formulated as follows: To contribute to the understanding of conducting, learning, and teaching total cost analysis. Three research questions were shaped to address each part of the purpose: conducting, learning and teaching. RQ1 What challenges are connected to the process of conducting total cost analysis? RQ2 What thresholds are there for learning how to conduct total cost analysis? RQ3 How can total cost learning be supported by suitable educational methods? The research questions are connected to each other in the sense that the challenges of conducting total cost analysis (RQ1) indicate within which areas total cost learning is difficult, and thereby where thresholds are to be investigated (RQ2). Further, knowledge about the learning thresholds is needed to discuss suitable educational activities (RQ3). The research was conducted by a combination of literature reviews and multiple case studies at four Higher Education Institutions, where both teachers and students were approached. The findings for RQ1 were developed in an abductive procedure walking back and forth between literature and cases. A twelve-step process for total cost analysis was defined, and specific challenges associated for each of these steps. Regarding learning thresholds (RQ2), perceived difficulties with learning total cost analysis were identified in the case studies. These difficulties were then analysed against threshold characteristics available in literature. This resulted in the identification of four total cost learning thresholds. Literature on constructivist-based teaching was used to suggest teaching methods to support learning (RQ3). These types of activities proved to match the ones most appreciated by teachers and students in the studied cases. The twelve-step process provides a more structured and holistic view of total cost analysis than previously available in the logistics literature. The description of challenges with conducting total cost analysis is novel, not only within logistics, but also generally, why this is a major contribution from this research. Aspects regarding teaching and learning connected to logistics, and to total cost analysis, are very sparsely addressed in literature, which makes the findings concerning learning thresholds and teaching methods valuable. The findings are believed to be useful for different stakeholders. First and foremost, teachers can use the findings for designing programs, courses, and course modules which cover the important aspects of total cost analysis with help from educational activities supporting the students' learning. Second, for organisations where total cost analyses are conducted, the suggested process with its

steps and associated challenges can be used to achieve better total cost analyses, and in turn more substantiated decisions. In the longer perspective, better education on total cost analysis at Higher Education Institutions will further strengthen the total cost competence in organisations, thereby improving the total cost-related decision making. Total cost analysis is not unique for the logistics discipline. Although focus in the study has been on Higher Education Institutions providing logistics courses, the findings are to a high extent believed to be relevant also for other disciplines dealing with total cost analysis.

Supply Chain Simulation - Francisco Campuzano 2011-07-16

Supply Chain Simulation allows readers to practice modeling and simulating a multi-level supply chain. The chapters are a combination of the practical and the theoretical, covering: knowledge of simulation methods and techniques, the conceptual framework of a typical supply chain, the main concepts of system dynamics, and a set of practice problems with their corresponding solutions. The problem set includes illustrations and graphs relating to the simulation results of the Vensim® program, the main code of which is also provided. The examples used are a valuable simulation tool that can be modified and extended according to user requirements. The objective of Supply Chain Simulation is to meet the demands of supply chain simulation or similar courses taught at the postgraduate level. The "what if" analysis recreates different simulation scenarios to improve the decision-making process in terms of supply chain performance, making the book useful not only for postgraduate students, but also for industrial practitioners.

International Logistics - Pierre David 2021-06-21

Supply Chain Management: A Logistics Perspective - John J. Coyle 2008-03-06

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.

Managing Supply Chains - C. John Langley 2012-03-01

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.