

Operations And Supply Chain Management Mcgraw Hill Irwin Series Operations And Decision Sciences

Managing Operations Across the Supply Chain offers a global, supply chain perspective of operations management—a treatment that embraces the foundations of operations management but includes new frameworks, concepts, and tools to address the demands of today and changing needs of the future. We live in dynamic and exciting times due to many changes affecting nearly every aspect of business—including operations management. This third edition reflects key shifts in operations management. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, and how they need it, so that your class time is more engaging and effective.

Russell and Taylor's Operations and Supply Chain Management, 9th Edition is designed to teach students how to analyze processes, ensure quality, create value, and manage the flow of information and products, while creating value along the supply chain in a global environment. Russell and Taylor explain and clearly demonstrate the skills needed to be a successful operations manager. Most importantly, Operations Management, 9th Edition makes the quantitative topics easy for students to understand and the mathematical applications less intimidating. Appropriate for students preparing for careers across functional areas of the business environment, this text provides foundational understanding of both qualitative and quantitative operations management processes.

This book, developed in collaboration with the Rutgers Center for Supply Chain Management and based upon research projects conducted with over 100 participating corporations, combines theory and practice in presenting the concepts necessary for strategic implementation of supply chain management techniques in a global environment. Coauthored by top teaching and research faculty and a senior industry executive, this academic/industry partnership ensures the relevance of the text in terms of both practical application and academic rigor. This book introduces students to the key drivers of supply chain performance, including demand forecasting, sales and operations planning, inventory control, capacity analysis, transportation models, supply chain integration, and project management and risk analysis. It is enhanced by real-life examples and case studies as well as strategies from best practices and a focus on social and economic impact. The content reaches beyond a traditional operations management text and draws on the extensive experience of the authors conducting industry projects through the Rutgers Center for Supply Chain Management. The input of senior business executives has been an invaluable asset in presenting a balanced knowledge of both quantitative models and qualitative insights. This book is suitable for courses at the MBA core level, MS in supply chain management level, upper undergraduate level, and also suitable for executive education. Request Inspection Copy

An introduction to financial tools and concepts from an operations perspective, addressing finance/operations trade-offs and explaining financial accounting, working capital, investment analysis, and more. Students and practitioners in engineering and related areas often lack the basic understanding of financial tools and concepts necessary for a career in operations or supply chain management. This book offers an introduction to finance fundamentals from an operations perspective, enabling operations and supply chain professionals to develop the skills necessary for interacting with finance people at a practical level and for making sound decisions when confronted by tradeoffs between operations and finance. Readers will learn about the essentials of financial statements, valuation tools, and managerial accounting. The book first discusses financial accounting, explaining how to create and interpret balance sheets, income statements, and cash flow statements, and introduces the idea of operating working capital—a key concept developed in subsequent chapters. The book then covers financial forecasting, addressing such topics as sustainable growth and the liquidity/profitability tradeoff; concepts in managerial accounting, including variable versus fixed costs, direct versus indirect costs, and contribution margin; tools for investment analysis, including net present value and internal rate of return; creation of value through operating working capital, inventory management, payables, receivables, and cash; and such strategic and tactical tradeoffs as offshoring versus local and centralizing versus decentralizing. The book can be used in undergraduate and graduate courses and as a reference for professionals. No previous knowledge of finance or accounting is required.

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, reverses logistics and recovery.

Russell and Taylor's Operations and Supply Chain Management, 8th Edition is designed to teach students how to analyze processes, ensure quality, create value, and manage the flow of information and products, while creating value along the supply chain in a global environment. Russell and Taylor explain and clearly demonstrate the skills needed to be a successful operations manager. Most importantly, Operations Management 8e makes the quantitative topics easy for students to understand and the mathematical applications less intimidating. In the 8th Edition, the production process and global supply chain of denim is used to introduce OM topics, and helps students see how all of the pieces of operations management fit together. Appropriate for students preparing for careers across functional areas of the business environment, Operations Management 8e provides foundational understanding of both qualitative and quantitative operations management processes.

This text is an unbound, binder-ready version. Russell and Taylor's Operations and Supply Chain Management, 8th Edition is designed to teach students how to analyze processes, ensure quality, create value, and manage the flow of information and products, while creating value along the supply chain in a global environment. Russell and Taylor explain and clearly demonstrate the skills needed to be a successful operations manager. Most importantly, Operations Management 8e makes the quantitative topics easy for students to understand and the mathematical applications less intimidating. With WileyPLUS, students can practice and complete homework in an automated online environment that facilitates learning and understanding, while quickly accessing the eBook and student resources. In the 8th Edition, the production process and global supply chain of denim is used to introduce OM topics, and helps students see how all of the pieces of operations management fit together. Appropriate for students preparing for careers across functional areas of the business environment, Operations Management 8e provides foundational understanding of both qualitative and quantitative operations management processes.

Boyer/Verma's breakthrough text meets today's student and instructor's needs and redefines the marketplace. Their text is briefer than most, taking all of the vital core concepts and building upon them with current and fresh examples. The authors understand the importance of striking a balance by creating a book that does an even better job at covering the core concepts while also providing customers with a new product that fully addresses and approaches this course area from today's teaching and learning perspectives and actual business practices. The three unifying themes throughout the book are Strategy, Global Supply Chain, and Service Operations. Strategy will serve as an overarching framework and will be used in each chapter to present students with an alternative approach to specific challenges. The authors use examples from non-US companies and/or organizations in each chapter to incorporate Service Operations in the book. They also show that even some of the largest manufacturing companies today have extensive service activities such as customer support and product development. The Global Supply Chain theme will allow students to see how products move through different companies and countries with Boyer/Verma's use of real world examples throughout his text. In addition the robust Cnow course allows instructors and students to go beyond the printed text to get the most from this exciting operations management program. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book provides an overview of important trends and developments in logistics and supply chain research, making them available to practitioners, while also serving as a point of reference for academicians. Operations and logistics are cornerstones of modern supply chains that in turn are essential for global business and economics. The composition, character and importance of supply chains and networks are rapidly changing, due to technological innovations such as Information and Communication Technologies, Sensors and Robotics, Internet of Things, and Additive Manufacturing, to name a few (often referred to as Industry 4.0). Societal developments such as environmental consciousness, urbanization or the optimal use of scarce resources are also impacting how supply chain networks are configured and operated. As a result, future supply chains will not just be assessed in terms of cost-effectiveness and speed, but also the need to satisfy agility, resilience and sustainability requirements. To face these challenges, an understanding of the basic as well as more advanced concepts and recent innovations is essential in building competitive and sustainable supply chains and, as part of that, logistics and operations. These span multiple disciplines and geographies, making them interdisciplinary and international. Therefore, this book contains contributions and views from a variety of experts from multiple countries, and combines management, engineering as well as basic information technology and social concepts. In particular, it aims to: provide a comprehensive guide for all relevant and major logistics, operations, and supply chain management topics in teaching and business practice address three levels of expertise, i.e., concepts and principles at a basic (undergraduate, BS) level, more advanced topics at a graduate level (MS), and finally recent (state-of-the-art) developments at a research level. In particular the latter serve to present a window on current and future (potential) logistics innovations in the different thematic fields for both researchers and top business practitioners integrate a textbook approach with matching case studies for effective teaching and learning discuss multiple international perspectives in order to represent adequately the true global nature of operations, logistics and supply chains.

Operations Management: Managing Global Supply Chains takes a holistic, integrated approach to managing operations and supply chains by exploring the strategic, tactical, and operational decisions and challenges facing organizations worldwide. Authors Ray R. Venkataraman and Jeffrey K. Pinto address sustainability in each chapter, showing that sustainable operations and supply chain practices are not only attainable, but are critical and often profitable practices for organizations to undertake. With a focus on critical thinking and problem solving, Operations Management provides students with a comprehensive introduction to the field and equips them with the tools necessary to thrive in today's evolving global business environment. A Complete Teaching & Learning Package SAGE coursepacks FREE! Easily import our quality instructor and student resource content into your school's learning management system (LMS) and save time. Learn more. SAGE edge FREE online resources for students that make learning easier. See how your students benefit.

The seventh edition of Operations and Supply Chain Management for MBAs is the definitive introduction to the fundamental concepts of supply chain and operations management. Designed specifically to meet the needs of MBA students, this market-leading book offers clear presentation of topics such process planning and design, capacity and location planning, schedule and inventory management, and enterprise resource planning. A strategic, conceptual approach helps readers comprehend the contemporary issues they will soon be facing in industry. This concisely-formatted volume enables instructors to customize their courses for the unique requirements of MBA programs. Each chapter integrates material directly into the text rather than sidebars, highlights, and other pedagogical devices to achieve a smooth, easy-to-read narrative flow. Carefully selected questions prompt discussions that complement the mature, more experienced nature of MBA students, while case studies and supplementary materials illustrate key concepts and practices. Topics such as outsourcing and global sourcing, the role of information technology, and global competitiveness strategies assist students to understand working and competing in the globalized economy.

Operations and Supply Management, as the title indicates, provides increased emphasis on supply chain management in the 12e. The 12e continues its market leading up-to-date coverage of service operations as well. The text includes solved examples and problems, enough cases for MBA courses to use without supplementing, and the industry leading technology support suite.

After reading this book, you will be able to answer the following questions: What is Operations and Supply Chain Management and why is it important? What are the key functions within this field, and how do they interact with one another and the broader business? What are the responsibilities and decisions that managers in each functional area think about? How will disruptions in the Supply Chain impact the business world and our lives going forward? What are the practical applications of the knowledge gained around Supply Chain Operations? Have you ever wondered what your peers meant by "Supply Chain" or "Operations", or why either of these fields matter? What about people that work in these roles - what do they actually do? In Operations and Supply Chain Management Essentials You Always Wanted to Know these questions will be answered, and more. This practical, yet simple, guide uses a hypothetical company and the consumer product they make, to explain how the various functions within the Supply Chain intertwine and contribute to bring a finished product to life for consumers in the market. You don't need a management background to understand our story of how new demands, changing preferences, and unforeseen circumstances force this fictional company to adapt in order to survive. By posing questions that Supply Chain Operations Manager's face, you will start to think like a Supply Chain Operations professional, whether it be in professional or personal applications. You may not be inspired to make a career shift into these areas or chat Supply Chain topics at the dinner table, however, you will gain an understanding and appreciation for how these activities make everyday products and services at our disposal - and why this is increasingly important for companies to pay attention to. About the Author Ashley McDonough is a Supply Chain and Finance professional who holds an M.B.A from the Hong Kong University of Science and Technology, one of the top M.B.A. programs in the world. She also holds a Bachelor's degree from the University of Minnesota, with an emphasis in Supply Chain, Operations Management, and Economics. Ashley has worked in various Supply Chain functions including planning, manufacturing, quality, logistics, continuous improvement, research and development, and project management. She has over 5 years of experience in large corporations as well as start-ups, in the United States and across Asia. This exposure is spread across various industries, including electronics, agriculture, FMCG, banking, retail, and apparel. As a firm believer in making complex Supply Chain concepts understandable, and a desire to share her experiences, Ashley has served as a corporate trainer on digital transformation and continuous improvement, both with emphasis on the implications to the Supply Chain. Her diverse work history prepared her to write her first published piece as a contributing author to Food Safety for the 21st Century, highlighting her experiences working with dairy and packaging start-ups in Sri Lanka on their quality and environmental plans. Her exposure in the developing world gave her an understanding of how Supply Chain practices can be modified or simplified given the context in which they are being applied. By complementing her professional experience with a passion for writing, Ashley hopes to share with others the complexities, challenges, and excitement that comes with working in the Supply Chain in a simple, yet practical way that is easy for anyone to understand.

Finally, an operations management book to get excited about. Operations Management: A Supply Chain Process Approach exposes students to the exciting and ever-changing world of operations management through dynamic writing, application, and cutting-edge examples that will keep students interested and instructors inspired! Author Dr. Joel Wisner understands that today's students will be entering a highly competitive global marketplace where two things are crucial: a solid knowledge of operations management and an understanding of the importance for organizations to integrate their operations and supply chain processes. With this in mind, Wisner not only provides a clear and comprehensive introduction to operations management, but also gives attention to the important processes involved in linking firms' operations in a supply chain environment.

The third edition of Operations and Supply Chain Management: The Core focuses on the important "core" concepts in the dynamic field of operations. Just as lava flows from the core of the earth, operations and supply chain management is the core of business. Material must flow through supply chain processes to create cash output and input. This new edition has an increased focus on supply chain analytics involving the analysis of data to better solve business problems. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, and how they need it, so that your class time is more engaging and effective.

The book provides a holistic and practical approach to lean management throughout the business value chain. The lean management framework and tools demonstrate the optimal design and use of methods, tools and principles for companies and organisations. The author describes comprehensively how lean management enables companies to concentrate on value-adding activities and processes to achieve a long-term, sustainable competitive advantage. A wealth of best practices, industry examples and case studies are used to reveal the diversity and opportunities of lean management methodologies, methods and principles. Moreover, the book shows how lean management principles are ultimately applied in industries like automotive, healthcare, education and services industries.

Introduction to Operations and Supply Chain Management provides an integrated and comprehensive treatment of both operations and supply chain management.

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Student Value Editions also offer a great value; this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. For Student Value Editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title -- including customized versions for individual schools -- and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering platforms. For courses in operations and supply chain management. An integrated approach to operations and supply chain management Introduction to Operations and Supply Chain Management is an integrated, comprehensive introduction to both operations and supply chain management (SCM). The text remains engaging and brief while integrating all of the major concepts of both subjects in one cohesive source. The 5th Edition contains updated content and thorough coverage of analytical tools and techniques that students will apply to their careers in operations and SCM. It explores these topics in an interesting and relatable manner, providing students with real-world examples and easy-to-understand material. Also available with MyLab Operations Management By combining trusted authors' content with digital tools and a flexible platform, MyLab personalizes the learning experience and improves results for each student. NOTE: You are purchasing a standalone product; MyLab(tm) Operations Management does not come packaged with this content. Students, if interested in purchasing this title with MyLab Operations Management, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the loose-leaf version of the text and MyLab Operations Management, search for: 0134855450 / 9780134855455 Introduction to Operations and Supply Chain Management, Student Value Edition Plus MyLab Operations Management with Pearson eText -- Access Card Package, 5/e Package consists of: 0134740904 / 9780134740904 Introduction to Operations and Supply Chain Management, Student Value Edition 0134742176 / 9780134742175 MyLab Operations Management with Pearson eText -- Access Card -- for Introduction to Operations and Supply Chain Management

Resourceful companies today must successfully manage the entire supply flow, from the sources of the firm, through the value-added processes of the firm, and on to the customers of the firm. The fourteenth Global Edition of Operations and Supply Chain Management provides well-balanced coverage of managing people and applying sophisticated technology to operations and supply chain management.

The fifth edition of Operations and Supply Chain Management: The Core focuses on the important core concepts in the dynamic field of operations. Just as lava flows from the core of the earth, operations and supply chain management is the core of business. Material must flow through supply chain processes to create cash output and input. This new edition has an increased focus on supply chain analytics, focusing on the effective analysis of data to better solve business problems.

Resourceful companies today must successfully manage the entire supply flow, from the sources of the firm, through the value-added processes of the firm, and on to the customers of the firm. The fifteenth edition of Operations and Supply Chain Management provides well-balanced coverage of managing people and applying sophisticated technology to operations and supply chain management. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, and how they need it, so that your class time is more engaging and effective.

Revised edition of the authors' Managing supply chain and operations, [2016]

Boyer/Verma's breakthrough text meets today's student and instructor's needs and redefines the marketplace. Their text is briefer than most, taking all of the vital core concepts and building upon them with current and fresh examples. The authors understand the importance of striking a balance by creating a book that does an even better job at covering the core concepts while also providing customers with a new product that fully addresses and approaches this course area from today's teaching and learning perspectives and actual business practices. The three unifying themes throughout the book are Strategy, Global Supply Chain, and Service Operations. Strategy will serve as an overarching framework and will be used in each chapter to present students with an alternative approach to specific challenges. The authors uses examples from non-US companies and/or organizations in each chapter to incorporate Service Operations in the book. They also show that even some of the largest manufacturing companies today have extensive service activities such as customer support and product development. The Global Supply Chain theme will allow students to see how products move through different companies and countries with Boyer/Verma's use of real world examples throughout his text. In addition the robust Cnow course allows instructors and students to go beyond the printed text to get the most from this exciting operations management program. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"This resource provides students with a thorough foundation in operations management, supply chain management, and the strategic implementation of programs, techniques, and tools for reducing costs and improving quality in health care organizations. It incorporates the features and functions of Microsoft Excel where appropriate in its coverage of supply chain strategy, process design and analysis of health care operations, managing health care operations quality, and planning and controlling health care operations. The book illustrates leading edge concepts and techniques such as six-sigma and lean logistics, and shows how operations and process improvement relate to contemporary health care trends such as evidence-based medicine and pay-for-performance"--

Russell and Taylor's Operations and Supply Chain Management, 10th Edition is designed to teach students understand how to create value and competitive advantage along the supply chain in a rapidly changing global environment. Beyond providing a solid foundation, this course covers increasingly important OM topics of sustainability, corporate social responsibility, global trade policies, securing the supply chain, and risk and resilience. Most importantly, Operations Management, Tenth Edition makes the quantitative topics easy for students to understand and the mathematical applications less intimidating. Appropriate for all business students, this course takes a balanced approach to the foundational understanding of both qualitative and quantitative operations management processes. Known for its comprehensive approach, this text shows operations managers how to analyse processes, ensure quality, create value, and manage the flow of information, products and services. Operations Management: Creating Value Along the Supply Chain, 8th Edition offers an extensive collection of exercises and solved problems to reinforce key concepts. An emphasis is placed on supply chain management and services. Information is presented on the environment and green management, and technology type OM topics as it applies to production, control, the supply chain, and global operations. The content of this text prepares operations managers for the issues they'll experience in the field.

Gain a clear understanding of the fundamental concepts and applications behind operations and supply chain management with the reader-friendly approach in Collier/Evans' popular OPERATIONS AND SUPPLY CHAIN MANAGEMENT, 2E. The authors present detailed, solved problems throughout this edition to illustrate key formulas and computations as you learn to complete both manual and digital calculations using Excel spreadsheet templates and other Excel models for optimization and simulation. Even more review questions, cases, experiential activities, problems and exercises as well as feature boxes teach you how to work with the latest operations management (OM) and supply chain management (SCM) concepts and tools. New content examines process analysis and resource utilization, analytics in OM, capacity measurement, applications of linear optimization and other critical OM and SCM topics. You can further your understanding with interactive digital resources and new algorithmic exercises within MindTap's complete learning applications.

Featuring an ideal balance of managerial issues and quantitative techniques, this introduction to operations management keeps pace with current innovations and issues in the field. It presents the concepts clearly and logically, showing readers how OM relates to real business. The new edition also integrates the experiences of a real company throughout each chapter to clearly illustrate the concepts. Readers will find brief discussions on how the company manages areas such as inventory and forecasting to provide a real-world perspective.

"Operations and supply chain management (OSCM) is a key element in the improvement in productivity in business around the world. Establishing a competitive advantage through operations requires an understanding of how the operations and supply chain functions contribute to productivity growth. However, our intent in this book is to do more than just show you what companies are doing to create a competitive advantage in the marketplace by conveying to you a set of skills and tools that you can actually apply"-- For courses in operations and supply chain management. An integrated approach to operations and supply chain management Introduction to Operations and Supply Chain Management is an integrated, comprehensive introduction to both operations and supply chain management (SCM). The text remains engaging and brief while integrating all of the major concepts of both subjects in one cohesive source. The 5th Edition contains updated content and thorough coverage of analytical tools and techniques that students will apply to their careers in operations and SCM. It explores these topics in an interesting and relatable manner, providing students with real-world examples and easy-to-understand material. Also available with MyLab Operations Management By combining trusted authors' content with digital tools and a flexible platform, MyLab personalizes the learning experience and improves results for each student. Note: You are purchasing a standalone product; MyLab Operations Management does not come packaged with this content. Students, if interested in purchasing this title with MyLab, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Operations Management, search for: 0134833511 / 9780134833514 Introduction to Operations and Supply Chain Management Plus MyLab Operations Management with Pearson eText -- Access Card Package, 5/e Package consists of: 0134740602 / 9780134740607 Introduction to Operations and Supply Chain Management 0134742176 / 9780134742175 MyLab Operations Management with Pearson eText -- Access Card -- for Introduction to Operations and Supply Chain Management

The second edition of this textbook comprehensively discusses global supply-chain and operations management, combining value creation networks and interacting processes. It focuses on the operational roles in the networks and presents the quantitative and organizational methods needed to plan and control the material, information and financial flows in the supply chain. Each chapter starts with an introductory case study, and numerous examples from various industries and services help to illustrate the key concepts. The book explains how to design operations and supply networks and how to incorporate suppliers and customers. It also examines matching supply and demand, which is a core aspect of tactical planning, before turning to the allocation of resources for fulfilling customer demands. This second edition features three new chapters: "Supply Chain Risk Management and Resilience", "Digital Supply Chain, Smart Operations, and Industry 4.0", and "Pricing and Revenue-Oriented Capacity Allocation". These new chapters provide the structured knowledge on the principles, models, and technologies for managing the supply-chain risks and improving supply-chain and operations performance with the help of digital technologies such as Industry 4.0, additive manufacturing, Internet-of-Things, advanced optimization methods and predictive analytics. The existing chapters have been updated and new case studies have been included. In addition, the preface provides guidelines for instructors on how to use the material for different courses in supply-chain and operations management and at different educational levels, such as general undergraduate, specialized undergraduate, and graduate courses. The companion website www.global-supply-chain-management.de has also been updated accordingly. In addition, the book is now supported by e-manuals for supply-chain and operations simulation and optimization in AnyLogic and anyLogistix. Providing readers with a working knowledge of global supply-chain and operations management, with a focus on bridging the gap between theory and practice, this textbook can be used in core, special and advanced classes. It is intended for broad range of students and professionals involved in supply-chain and operations management.

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

The thoroughly revised and updated book, now in its second edition, continues to present a comprehensive view of the concepts and applications of various quantitative models used in the study of operations and supply chain management. It provides a complete account of location and layout models, production planning models, production control models, cycle inventory models, safety stock models and transportation models. A separate chapter on real-life situations provides the user with the knowledge of specific areas where the models have been applied in decision-making processes. The various techniques to solve operations and supply chain management problems are also discussed. The text is supported by a large number of illustrative examples, exercises and review questions to reinforce the students' understanding of the subject matter. Designed as a textbook for the students of mechanical and industrial engineering, the book would also be useful to postgraduate students of management. **NEW TO THE SECOND EDITION** • Two new chapters on 'Production Control—Additional Approaches' (Chapter 6) and 'Materials Planning and Lot Sizing' (Chapter 8) • Forecasting and Aggregate Planning are described in two separate chapters • Each chapter includes new sections, additional examples, illustrations, short questions and exercises • Provides solutions to the exercises Introduction to Operations and Supply Chain Management the first text to provide an integrated and comprehensive treatment of both operations and supply chain management. The authors provide deeper coverage of important topics while maintaining a trim, integrated book. It provides substantial coverage of the major operations management topics and tools, while extending coverage to include core supply chain management issues.

Have you ever wondered what your peers meant by "Supply Chain" or "Operations", or why either of these fields matter? What about people that work in these roles - what do they actually do? In Operations and Supply Chain Management Essentials You Always Wanted to Know these questions will be answered, and more. This practical, yet simple, guide uses a hypothetical company and the consumer product they make, to explain how the various functions within the Supply Chain intertwine and contribute to bring a finished product to life for consumers in the market. You don't need a management background to understand our story of how new demands, changing preferences, and unforeseen circumstances force this fictional company to adapt in order to survive. By posing questions that Supply Chain Operations Manager's face, you will start to think like a Supply Chain Operations professional, whether it be in professional or personal applications. You may not be inspired to make a career shift into these areas or chat Supply Chain topics at the dinner table, however, you will gain an understanding and appreciation for how these activities make everyday products and services at our disposal - and why this is increasingly important for companies to pay attention to.

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