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Fundamentals of Operations Management Competitive Manufacturing Management Operations Management MBAs Encyclopedia of Production and Manufacturing Management Production and Operations Management Introducing Operations Management Production and Operations Management Operations Management Operation Management Operations Management Public Service Operations Management Operations Management Production Management Cases in Operations Management OPERATIONS MANAGEMENT IN THE SUPPLY CHAIN: DECISIONS & CASES Operations Management for MBAs Operations Management Advances in Production Management Systems. Production Management for Data-Driven, Intelligent, Collaborative, and Sustainable Manufacturing Manufacturing Management Global Operations Management Operations Management: Contemporary Concepts and Cases Operations Management in the Supply Chain: Decisions and Cases Healthcare Operations Management Production and Operations Management Production and Operations Management Operations Management Advances in Production Management Systems. Smart Manufacturing for Industry 4.0 Operations Management Operations Management Operations Management Innovations in Competitive Manufacturing Operations Management in Healthcare Loose Leaf for Managing Operations Across the Supply Chain Fundamentals of Operations Management Handbook of Production Management Methods Operations Management for MBAs with Crystal Ball CD Production Planning and Inventory Control Production and Operations Management Systems Proceedings of the International Symposium for Production Research 2019 Managing Complexity

Operations Management for MBAs provides an introduction to the basic concepts of operations management with a strategic, conceptual, and contemporary approach. Specifically written with the needs of MBA students in mind, current topics such as supply chain management, the balanced scorecard, and yield management, as well as those specific to marketing, finance and other majors are explained. Operations Management: Contemporary Concepts and Cases, is an ideal book for the instructor seeking a short text with cases. This book employs a cross-functional perspective, appealing to non-majors and practical for use in an MBA level course in operations management. The size and price of the book also make the text attractive for the cross-functional curriculum where students are required to purchase more than one text. The cases offer variety in length and rigor; and several are from Harvard and Darden. This mix makes the book appropriate for both undergraduates and MBA students. Davis' balanced Canadian and global perspective offers a broad and relatively non-quantitative overview of the field of operations management. Appealing to a variety of business majors, the text addresses the increasing trend towards a more managerial focus on the operations issues that confront managers today. While maintaining this "big picture" perspective, Davis is reflective of the Canadian economy by incorporating the role of the automotive industry, balancing service and manufacturing, emphasizing ISO 9000 standards in quality control, and leveraging examples from both small to medium sized businesses as well as larger corporations. The combination of features within Davis 2CE also offers a solid foundation of Operations practices to a variety of non-OM business majors. In this introduction to operations management, the authors' premise is that it cannot be practised in isolation from other management resources, but rather is closely integrated with human, technological and system resources. The course has traditionally been heavily weighted toward

the production and manufacturing industries, but has begun to broaden its scope to include the service industry, and the book reflects this trend. Ancillary package available upon adoption. Since the beginning of mankind on Earth, if the "busyness" process was successful, then some form of benefit sustained it. The fundamentals are obvious: get the right inputs (materials, labor, money, and ideas); transform them into highly demanded, quality outputs; and make it available in time to the end consumer. Illustrating how operations relate to the rest of the organization, Production and Operations Management Systems provides an understanding of the production and operations management (P/OM) functions as well as the processes of goods and service producers. The modular character of the text permits many different journeys through the materials. If you like to start with supply chain management (Chapter 9) and then move on to inventory management (Chapter 5) and then quality management (Chapter 8), you can do so in that order. However, if your focus is product line stability and quick response time to competition, you may prefer to begin with project management (Chapter 7) to reflect the continuous project mode required for fast redesign rapid response. Slides, lectures, Excel worksheets, and solutions to short and extended problem sets are available on the Downloads / Updates tabs. The project management component of P/OM is no longer an auxiliary aspect of the field. The entire system has to be viewed and understood. The book helps students develop a sense of managerial competence in making decisions in the design, planning, operation, and control of manufacturing, production, and operations systems through examples and case studies. The text uses analytical techniques when necessary to develop critical thinking and to sharpen decision-making skills. It makes production and operations management (P/OM) interesting, even exciting, to those who are embarking on a career that involves business of any kind. Race without a finish line - Fundamentals of continuous improvement - JIT : value added and waste elimination - TQM : customer-focused quality - Small-lot production - Setup-time reduction - Maintaining and improving equipment - Pull production systems - Focused factories and group technology - Workcells and cellular manufacturing - Standard operations - Quality of design - Quality inspection and statistical sampling - Statistical process control - Systems for eliminating defects - Scheduling for smooth flow - Synchronizing and balancing processes - Planning and control in pull production - Managing the supply chain - Activity-based costing - Performance measurement : making bean counting relevant. This work provides a survey of the most innovative techniques and methods for managing operations in services and manufacturing, presenting all concepts with a real-world perspective based on extensive global consulting work. The Fourth Edition of Managing Operations Across the Supply Chain offers a global, supply chain perspective of operations management 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 fourth 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. This book is intended to enhance the knowledge of MBA students in Operations Management acquired in a basic level course. The case-study material covered relates to a wide spectrum of management activities, and deals with the application of statistical, operations research and system analysis methods to problems categorized under several headings. The book can therefore be used in conjunction with a course in Operations Management or as an independent second course. Thirty-one real-world cases in the book are the result of several years of research work by the authors, including consultancy assignments, doctoral dissertations, and project assignments of graduate management students. The cases are research oriented and encourage students to think rigorously in an environment of uncertainty of a real-world situation. The cases are comprehensive enough to drill students in devising alternative methods of solutions, and arm them with a deep understanding of decision-making processes instead of merely providing them with a general appreciation of managerial perspective. These realistic cases help in learning applications of quantitative and analytical techniques of management, bringing home to the

student the challenges of managing activities throughout the organization. Though a new title, it is an enlarged version of Dr. Krishnaswamy's earlier book Cases in Production/Operations Management. This unique book provides a guide to the selection of appropriate production and manufacturing methods for postgraduate and professional manufacturing engineers. It starts by helping the reader to identify the required objectives of industrial management for their particular situation. Having identified the objectives an analytical assessment of the available production and management methods is made. The analytical system presents an objective method of production selection. For example, this practical book will help the reader to decide whether or not a local Just-in-Time process is needed or a full chain JIT method is needed. Alternatively the problem may be deciding between set-up time reduction or changeover time reduction. Should TQM be ceded to PCIs? This book covers nearly all methods of production and manufacturing and will prove the most comprehensive guide to choosing and using these methods. Only book of its kind available Widest coverage of methods available Analytical approach to decision making "This book is about operations management and the strategic implementation of programs, techniques, and tools for reducing costs and improving quality. It not only covers the basics of operations management, but also explains how operations and process improvement relate to contemporary healthcare trends such as evidence-based medicine and pay-for-performance. The book's practical approach includes real-world examples to illustrate concepts." "The book explains and demonstrates the use of various software tools associated with problem solving and decision making, including Microsoft Excel and Project. A version of Arena software is included in order to practice process modeling. Arena is a powerful simulation tool used by healthcare organizations to optimize patient flow, develop scheduling systems, and improve patient-care processes."--BOOK JACKET. This groundbreaking text builds upon introductory operations management courses and presents conceptual frameworks to help students recognize and meet strategic international operations management challenges. Using a combination of original text, cases, and readings, Global Operations Management approaches its topic from the perspective of current American business, and emphasizes innovative projects undertaken to capture the promise of global competitive advantage. A very thoughtful selection of readings, many written by out most influential business scholars (e.g., Porter, Deming, Hofstede) helps students relate the cases to broader operations experience and issues. How do policy makers and managers square the circle of increasing demand and expectations for the delivery and quality of services against a backdrop of reduced public funding from government and philanthropists? Leaders, executives and managers are increasingly focusing on service operations improvement. In terms of research, public services are immature within the discipline of operations management, and existing knowledge is limited to government departments and large bureaucratic institutions. Drawing on a range of theory and frameworks, this book develops the research agenda, and knowledge and understanding in public service operations management, addressing the most pressing dilemmas faced by leaders, executives and operations managers in the public services environment. It offers a new empirical analysis of the impact of contextual factors, including the migration of planning systems founded on MRP/ERP and the adoption of industrial based improvement practices such as TQM, lean thinking and Six Sigma. This will be of interest to researchers, educators and advanced students in public management, service operations management, health service management and public policy studies. This book discusses the conference that forms a unique platform to bring together academicians and practitioners from industrial engineering and management engineering as well as from other disciplines working on production function applying the tools of operational research and production/operational management. Topics treated include: computer-aided manufacturing, Industry 4.0, big data and analytics, flexible manufacturing systems, fuzzy logic, industrial applications, information technologies in production management, optimization, production economy, production planning and control, productivity and performance management, project management, quality management, risk analysis and management, and supply chain management The two-volume set IFIP AICT 535 and 536 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2018,

held in Seoul, South Korea, in August 2018. The 129 revised full papers presented were carefully reviewed and selected from 149 submissions. They are organized in the following topical sections: lean and green manufacturing; operations management in engineer-to-order manufacturing; product-service systems, customer-driven innovation and value co-creation; collaborative networks; smart production for mass customization; global supply chain management; knowledge based production planning and control; knowledge based engineering; intelligent diagnostics and maintenance solutions for smart manufacturing; service engineering based on smart manufacturing capabilities; smart city interoperability and cross-platform implementation; manufacturing performance management in smart factories; industry 4.0 - digital twin; industry 4.0 - smart factory; and industry 4.0 - collaborative cyber-physical production and human systems. The two-volume set IFIP AICT 535 and 536 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2018, held in Seoul, South Korea, in August 2018. The 129 revised full papers presented were carefully reviewed and selected from 149 submissions. They are organized in the following topical sections: lean and green manufacturing; operations management in engineer-to-order manufacturing; product-service systems, customer-driven innovation and value co-creation; collaborative networks; smart production for mass customization; global supply chain management; knowledge based production planning and control; knowledge based engineering; intelligent diagnostics and maintenance solutions for smart manufacturing; service engineering based on smart manufacturing capabilities; smart city interoperability and cross-platform implementation; manufacturing performance management in smart factories; industry 4.0 - digital twin; industry 4.0 - smart factory; and industry 4.0 - collaborative cyber-physical production and human systems. Operations Management in the Supply Chain: Decisions and Cases is an ideal book for the instructor seeking a short text with cases. This book employs a cross-functional perspective that emphasizes strategy and critical thinking, appealing to non-majors and practical for use in an MBA level or undergraduate course in operations management. The size and focus of the book also make the text attractive for the cross-functional curriculum where students are required to purchase more than one text. The sixteen cases offer variety in length and rigor; and several are from Ivey, Stanford, and Darden. This mix makes the book appropriate for both undergraduates and MBA students. This series introduces the core areas of chemical science, covering important concepts in an easy, accessible style. Each title contains a number of experiments and demonstrations, approached through the process of problem, hypothesis, experiment and conclusion. All the books support the QCA schemes of work and contain: definitions of important terms and explanations of key concepts; formulae and word equations; and the periodic table with explanatory notes. This title explores the concepts of elements and compounds. Operations Management in the Supply Chain: Decisions and Cases is an ideal book for the instructor seeking a short text with cases. This book employs a cross-functional perspective that emphasizes strategy and critical thinking, appealing to non-majors and practical for use in an MBA level or undergraduate course in operations management. The size and focus of the book also make the text attractive for the cross-functional curriculum where students are required to purchase more than one text. The eighteen cases offer variety in length and rigor; and several are from Ivey, Stanford, and Darden. This mix makes the book appropriate for both undergraduates and MBA students. In the newly revised eighth edition of Operations and Supply Chain Management for MBAs, a team of renowned operations professionals delivers a concise and accessible exploration of supply chain management ideal for MBA students with backgrounds in marketing, finance, and other disciplines. Conceptual and qualitative content appears alongside more quantitative material to encourage a variety of readers to remain engaged. Supplementary cases and a flexible structure allow instructors to tailor the material to diverse student populations, while a renewed focus on sustainability, innovation, and design thinking permeate much of this latest edition. Operations and Supply Chain Management for MBAs also includes: Incorporation of sustainability throughout the book, especially in Chapter 5 Considerable material on innovation and design thinking, especially in Chapter 3 Thoroughly updated chapter opening examples and cases A renewed emphasis on supply chain strategy in every chapter

New and contemporary examples integrated into each chapter Improved and enhanced figures and images Updated end-of-chapter questions, exercises, and mini cases aligned with the material in each chapter Intended for use by undergraduates and postgraduates on business administration courses, this text provides coverage of manufacturing management from a "modern" perspective, providing an integrated account of the new, emergent philosophies in manufacturing. Uses primarily service examples instead of manufacturing. * Contains realistic problems that real managers would encounter. Describes how to build a competitive edge by developing superior operations This comprehensive, practice-oriented textbook shows how healthcare organizations can gain a competitive edge through superior operations. A strategic perspective is taken by achieving excellence in the four competitive priorities: quality, cost, timely delivery, and flexibility. The competitive priorities should not be pursued in isolation. They are indeed interrelated, and we show how initiatives targeted at improving performance in each of the four competitive priorities impact one another and have synergistic effects. Upon completion of the course, students will have developed a conceptual mental model of health care operations in which all concepts and tools fit together. They will recognize the dangers of pursuing local optimization and appreciate the benefits of aligning the entire operations system with the business strategy. The book shows how to run a healthcare organization. We highlight the different perspectives of clinicians and administrators and attempt to resolve their conflicts by offering a common platform for building competitive advantage. To bring the cultural context to life, we engage students with a series of short stories showcasing the struggles of a fictitious health care organization as it embarks on its journey to becoming a highly reliable organization. Our approach is very “hands-on.” Throughout the book, we help students develop a tool kit to assist in problem solving and process improvements. The tools are presented using step-by-step instructions and are fully integrated with the chapter materials. Most of our students have felt they were able to use these decision aids on the job right away. Key Features: • Mind maps to connect competitive priorities, concepts, and tools in a logical, integrated fashion • Development of an extensive tool kit • Emphasis on measurement with the use of dashboards in multiple chapters • The story of a fictitious healthcare organization to demonstrate people dynamics, organizational challenges, and the applicability of tools in every chapter. Questions at the end of each story segment help stimulate class discussion and reflection • Box features with frequently asked student questions and our answers (LET’S TALK!) • Box features with real-world implementations of the concepts (OM IN PRACTICE!) • Data files available for statistical process control, queuing, and simulation • Comprehensive Instructor Packet and online tutorials Offers an overview of the field of operations management and provides a "big picture" perspective that is aimed at business majors. This book presents papers by experts in the field of Industrial Engineering, covering topics in business strategy; modelling and simulation in operations research; logistics and production; service systems; innovation and knowledge; and project management. The focus of operations and production management has evolved from product and manufacturing to the capabilities of firms and collaborative management. Nowadays, Industrial Engineering is concerned with the study of how to design, modify, control and improve the performance of complex systems. It has extended its scope to any physical landscape populated by social agents. This raises a major challenge to Industrial Engineering: managing complexity. This volume shows how experts are dealing with this challenge. Production and manufacturing management since the 1980s has absorbed in rapid succession several new production management concepts: manufacturing strategy, focused factory, just-in-time manufacturing, concurrent engineering, total quality management, supply chain management, flexible manufacturing systems, lean production, mass customization, and more. With the increasing globalization of manufacturing, the field will continue to expand. This encyclopedia's audience includes anyone concerned with manufacturing techniques, methods, and manufacturing decisions. Innovations in Competitive Manufacturing is an examination of manufacturing innovations - both technical and knowledge-based. Over the recent past, technology has created dramatic changes in manufacturing. As a result, the book focuses on the use of technology in gaining competitive advantage in global manufacturing. Forty topics are surveyed in the

book, organized into thirteen chapters. Each topic is a carefully written account by one or more leading researchers in that area. This is the first systematic examination of the recent innovations in manufacturing strategy and technology. In addition to providing an understanding of these manufacturing innovations, the book underscores the strategic importance of creating and sustaining the technological resources to ensure a stable manufacturing economic base. The book's purpose is to examine the elements that make today's manufacturers successful. Many examples from industry throughout the book will enable the reader to appreciate and comprehend the concepts presented in the article. In addition to the technical and innovative information, implementation issues concerning new ideas and manufacturing practices are explored within the topical discussions. Four in-depth descriptions of real-life cases provide illustration of key principles. The book has been constructed as a reference tool for manufacturing researchers, students, and practitioners. Hence, after reading the introduction `Innovation in Competitive Manufacturing: From JIT to E-Business', any section or topic in the book can be consulted and/or read in any sequence the reader may choose.