

Cases In Operations Management The Dryden Press Series In Management Science And Quantitative Methods

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Cases in Operations Management

Operations Management (OM) is a multi-faceted blend of myriad academic and practical disciplines – from engineering and economics via mathematics and marketing, to systems and psychology. To capture the state of the art, the book reviews contemporary and classic scholarship in one of the oldest business and management disciplines. To offer the reader a thought-provoking point of entry into the selected sources, the book curates its content as an imaginary exhibit, each chapter a thematic OM 'gallery' (process; planning and control; people; strategy and measurement; technology) introduced by a description of some extraordinary artefacts, paintings, sculptures and architecture. The content has been curated around three principles intended to benefit the casual reader and both new and established OM scholars. First, it incorporates works that build on, or help to distinguish, fundamental tenets from more transitory fads. Second, the text makes significant efforts to try and balance the gravitational pull of the factory, (even though this may not offer an accurate representation of the majority of the field) and third, to try to keep managerial rather than technical/ analytical concerns to the fore. This concise book provides a useful overview of current and classic OM research. Written by a leading authority, it is intended to be a valuable and engaging resource for both students and scholars of business.

Operations Strategies for Competitive Advantage

Monograph on scientific management - covers automation, cybernetics, computers, managers, operational research, simulation, etc.

Quantitative Methods for Business Decisions

Researching Operations Management fills the growing need for a comprehensive textbook and reference on doing quality research in the field of Operations Management (OM). It addresses the particular problem—especially for advanced students and beginning researchers—that many academic

departments specialize in just one or a few approaches to research. As a result many students and researchers are not exposed to the breadth of possible research approaches in OM. Providing a concise overview of each of the most important research approaches in the field, the book enables researchers and students to understand and practice these methods, thus giving them a platform for choosing appropriate and complementary approaches to their research. With contributions from an international group of leading thinkers in the OM research field, the book covers those methods frequently used in studies of OM as well as adjacent applied management areas such as management of innovation and R&D, logistics, and supply chain management. Included are chapters on surveys, case studies, action research, longitudinal field studies, and models and simulations together with chapters on planning, positioning, assessing, and publishing research. In addition, the contributors also consider ethical and cultural issues in researching operations management.

Operations Strategies for Competitive Advantage

Behavioral Operations Management introduces the understanding of human behavior to the practice of operations management. It provides a set of methods and a structured area of study to analyze behavioral issues within the OM paradigm.

Operations Management

This text is an introduction to Operations Management. Three themes are woven throughout the book: optimization or trying to do the best we can, managing tradeoffs between conflicting objectives, and dealing with uncertainty. After a brief introduction, the text reviews the fundamentals of probability including commonly used discrete and continuous distributions and functions of a random variable. The next major section, beginning in Chapter 7, examines optimization. The key fundamentals of optimization—inputs, decision variables, objective(s), and constraints—are introduced. Optimization is applied to linear regression, basic inventory modeling, and the newsvendor problem, which incorporates uncertain demand. Linear programming is then introduced. We show that the newsvendor problem can be cast as a network flow linear programming problem. Linear programming is then applied to the problem of redistributing empty rental vehicles (e.g., bicycles) at the end of a day and the problem of assigning students to seminars. Several chapters deal with location models as examples of both simple optimization problems and integer programming problems. The next major section focuses on queueing theory including single- and multi-server queues. This section also introduces a numerical method for solving for key performance metrics for a common class of queueing problems as well as simulation modeling. Finally, the text ends with a discussion of decision theory that again integrates notions of optimization, tradeoffs, and uncertainty analysis. The text is designed for anyone with a modest mathematical background. As such, it should be readily accessible to engineering students, economics, statistics, and mathematics majors, as well as many business students.

Management Science

Research Methods for Operations Management, second edition is a toolkit of research approaches primarily for advanced students and beginner researchers but also a reference book for any researcher in OM. Many students begin their career in research limited by the one or few approaches taken by their department. The concise, accessible overviews found here equip them with an understanding of a variety of methods and how to use them, enabling them to tailor their research project to their own strengths and goals. The more seasoned researcher will find comprehensive descriptions and analyses on a wide variety of research approaches. This updated and enhanced edition responds to the latest developments in OM, including the growing prominence of services and production of intangible products, and the increasing use of secondary data and of mixed approaches. Alternative research approaches are included and explored to help with the early planning of research. This edition also includes expanded literature review and analysis to guide students towards the next steps in their reading, and more detailed step-by-step advice to tie theory with the researcher's own practice. Including contributions from an impressive range of the field's leading thinkers in OM research, this is a guide that no-one embarking on an OM research project should be without.

Researching Operations Management

The third edition of this clearly structured case book has been expanded and updated, and includes an introduction to the analysis of operations management cases. Key areas of operations management are dealt with, including new areas such as operations strategy, performance measurement and TPM.

Behavioral Operations Management

The third edition of this highly-regarded text has been fully updated whilst maintaining the accessible and comprehensive style that makes this text so popular. Packed with diverse realistic examples from Scotland to Saudi Arabia, this truly internationalized version of the landmark text from the Anderson, Sweeney and Williams team provides a complete introduction to the subjects of Management Science and Operations Research.

Organizations

Audience: Anyone concerned with the science, techniques and ideas of how decisions are made."--BOOK JACKET.

Bite-Sized Operations Management

The Encyclopedia received the 2011 RUSA Award for Outstanding Business Reference Source AN UNPARALLELED UNDERTAKING The Wiley Encyclopedia of Operations Research and Management Science is the first multi-volume encyclopedia devoted to advancing the areas of operations research and management science. The Encyclopedia is available online and in print. The Encyclopedia was honored with the distinction of an "Outstanding Business Reference Source" by the Reference and User Services Association DETAILED AND AUTHORITATIVE Designed to be a mainstay for students and professionals alike, the Encyclopedia features four types of articles at varying levels written by diverse, international contributors. Introductory articles provide a broad and moderately technical treatment of core topics. Advanced articles review key areas of research in a citation-rich format similar to that of leading review journals. Technical articles provide more detailed discussions of key concepts addressed in related articles. Case Studies/Historical Interludes present successful and/or interesting examples of operations research and management science methodology in practical or historical contexts. KEY FEATURES OF THE ENCYCLOPEDIA Offers the only cohesive multi-volume reference devoted to operations research and management science theory, methodology, and applications Includes over 600 articles with contributions from over 1,000 authors from 45 countries. Features an Editorial Board comprised of experts in the field who have vast experience in academia, industry, and government Designed to make the content useful and accessible to the widest possible readership Provides practical tools to maximize benefits and minimize cost and risk

Foundations of TQM

Includes special issues: The Professional series in the management sciences.

Research Methods for Operations Management

The subject of management research methodology is enthralling and complex. A student or a practitioner of management research is beguiled by uncertainties in the search and identification of the research problem, intrigued by the ramifications of research design, and confounded by obstacles in obtaining accurate data and complexities of data analysis. Management Research Methodology: Integration of Principles, Methods and Techniques seeks a balanced treatment of all these aspects and blends problem-solving techniques, creativity aspects, mathematical modelling and qualitative approaches in order to present the subject of Management Research Methodology in a lucid and easily understandable way.

Cases in Operations Management

Scale. References: Citations for the references used in the summary

Readings in Total Quality Management

The Seventh Edition of Production and Operations Analysis builds a solid foundation for beginning students of production and operations management. Continuing a long tradition of excellence, Nahmias and Olsen bring decades of combined experience to craft the most clear and up-to-date resource available. The authors' thorough updates include incorporation of current technology that improves the effectiveness of production processes, additional qualitative sections, and new material on service operations management and servicization. Bolstered by copious examples and problems, each chapter stands alone, allowing instructors to tailor the material to their specific needs. The text is essential reading for learning how to better analyze and improve on all facets of operations.

An Introduction to Management Science, 3rd Edition

This is the first book in the field that uses the power of the basic models and principles to provide students and managers with an "intuitive understanding" of operations management. The book touches on nine fundamental models and principles, and outlines the key insights behind each one. Some of the very biggest names in the Management Science field have developed and carefully written these chapters on the field's basic models.

Encyclopedia of Operations Research and Management Science

Operations Management: An Integrated Approach provides an account of the systems, processes, people and technology that determine an organisation's strategy and success. With contributions from leading experts internationally, the text takes a comprehensive, comparative, and best-practice approach and applies this specifically to the Asia-Pacific region. Rigorous in scholarship yet eminently accessible in style, Operations Management is replete with pedagogical features - figures and tables, discussion exercises, 'Learnings from the Internet', and a diversity of long and short case studies from around the world. Students are taken on a seamless journey from the fundamentals of operations management, through to the multiple approaches, the various innovations, challenges and risks, and ultimately to models of sustainability and evaluative tools and techniques. The text effectively prepares future managers across every sector of the economy to lead, organise, plan and control a set of resources, in pursuit of identified goals. The book will be supported by an extensive companion website featuring PowerPoint slides for each chapter, sample answers, teaching notes and figures/images for presentations.

Wiley Encyclopedia of Operations Research and Management Science, 8 Volume Set

Operations Management in Context is a straightforward and accessible text which provides students with a good grounding in the theory and practice of operations management and its role within organisations. The structure is clear and logical, leading the newcomer to the subject through the topics in a way to maximise comprehension, highlighting key issues and using case studies and examples from business to contextualise learning. Chapters are structured to enable incremental and progressive learning with a logical development of the content. Each chapter is linked and ends with a summary of the key points met in the text to aid revision. Exercises and self assessment questions are included to reinforce learning and maintain variety, with answers included at the end of the book. The text is accompanied by a lecturer's supplement. Written in a clear and logical style; ideal for students who are taking the subject for the first time Key issues will be highlighted and supported by real life case studies and examples from business Self assessment questions and feedback to reinforce learning

Introduction to Business Statistics

The secrets to improving operations while maintaining the highest quality How do you operate at maximum efficiency with minimum cost? Manager's Guide to Operations Management addresses one of the most pressing business issues of our time by offering easy-to-implement advice on creating the most effective, streamlined operations possible. This quick-reference guide explains how to: Improve your production processes Boost quality using the Six Sigma approach Manage supply chains and inventory Forecast, plan, and schedule efficiently With Manager's Guide to Operations Management, you have the tools you need to ensure a smooth, steady work flow while producing products and services of the highest quality—the secret to business success.

Management Science

This book represents the essential body of knowledge for an introductory operations management course. The guiding principle in the development of Matching Supply with Demand has been “real operations, real solutions.”

Operations Management

"This book provides the conceptual and methodological foundations that reflect interdisciplinary concerns regarding research in management information systems, investigating the future of management information systems by means of analyzing a variety of MIS and service-related concepts in a wide range of disciplines"--Provided by publisher.

Operations Management

William V. Gehrlein's Operations Management Cases provides a new collection of cases suited for introductory OM students. These OM cases have all been classroom tested with undergraduates and MBA's and are unique in providing plenty of teachable and tested analysis opportunities for students. Gehrlein's book provides cases on all OM topics, with plenty of emphasis on analytic topics such as forecasting, inventory and scheduling.

Management Research Methodology

RESEARCH METHODOLOGY CONCEPT AND CASES provides a comprehensive and stepwise understanding of the research process with a balanced blend of theory, techniques and Indian illustrations from a wide cross-section of business areas. This book makes no presumptions and can be used with confidence and conviction by both students and experienced managers who need to make business sense of the data and information that is culled out through research groups. The conceptual base has been provided in comprehensive, yet simplistic detail, addressing even the minutest explanations required by the reader. The language maintains a careful balance between technical know-how and business jargon. Every chapter is profusely illustrated with business problems related to all domains—marketing, finance, human resource and operations. Thus, no matter what the interest area may be, the universal and adaptable nature of the research process is concisely demonstrated.

Handbook of Metrics for Research in Operations Management

This 2-volume work includes approximately 1,200 entries in A-Z order, critically reviewing the literature on specific topics from abortion to world systems theory. In addition, nine major entries cover each of the major disciplines (political economy; management and business; human geography; politics; sociology; law; psychology; organizational behavior) and the history and development of the social sciences in a broader sense.

Production and Operations Analysis

This is an open access book. Management science aims to study the dynamic study of human use of limited resources in management activities to achieve organizational goals: complex and innovative social behavior and its laws. And engineering management refers to the management of important and complex new products, equipment and devices in the process of development, manufacturing and production, and also includes the study and management of technological innovation, technological transformation, transformation, layout and strategy of industrial engineering technology development. The development or breakthrough of management theory is accompanied by the development and progress of science and technology, and the level of science and technology and the level of management theory in each historical period are mutually adaptive, and it can be said that the progress of science and technology plays an important role in promoting the development of management. At the same time, the rapid development and progress of science and technology give a strong injection to the development of engineering, and provide the possibility for engineering construction can use new technology, new equipment, new technology and new materials. Modern management is an important development direction of management science nowadays. And the use of modern management in engineering has an important role in saving social costs, ensuring project quality, and improving safety awareness and behavior. ICMSEM 2023 will focus on modern management, discuss about the benefits that modernization brings to engineering. ICMSEM 2023 aims to: Develop and advance management science through the study and application of certain

issues. Open up new perspectives in the sharing of speakers and inspire the audience to new ways of managing in engineering. Create a forum for sharing, research and exchange at the international level, so that the participants can be informed of the latest research directions, results and contents of management science, which will inspire them to new ideas for research and practice.

Building Intuition

Management Science