

## Production Operations Management 5th Edition

A comprehensive book on project management, covering all principles and methods with fully worked examples, this book includes both hard and soft skills for the engineering, manufacturing and construction industries. Ideal for engineering project managers considering obtaining a Project Management Professional (PMP) qualification, this book covers in theory and practice, the complete body of knowledge for both the Project Management Institute (PMI) and the Association of Project Management (APM). Fully aligned with the latest 2005 updates to the exam syllabi, complete with online sample Q&A, and updated to include the latest revision of BS 6079 (British Standards Institute Guide to Project Management in the Construction Industry), this book is a complete and valuable reference for anyone serious about project management. • The complete body of knowledge for project management professionals in the engineering, manufacturing and construction sectors • Covers all hard and soft topics in both theory and practice for the newly revised PMP and APMP qualification exams, along with the latest revision of BS 6079 standard on project management in the construction industry • Written by a qualified PMP exam accreditor and accompanied by online Q&A resources for self-testing

This book takes a pedagogical approach that is participative and interactive, involving the case study method of learning. Chapters start with an Indian case study of a well known company. This is used as a capstone case for the chapter. The student will find this an easy learning experience as data and additional information for these enterprises is readily available. The selection of such cases makes classroom learning truly suited to the Indian business environment. The value driven approach to Operations Management is used in structuring the text into three modules. The first module discusses the infrastructure function of Operations Management. Infrastructure function is considered to be product, process, capacity and location. Module Two describes the structure of the operations function. This includes quality and other product transformation processes. Module Three focuses on the organization, people and processes i.e. the job, the work, and the workplace. In addition, most of the mathematical techniques have been separated into supplements attached to the relevant chapters. Software solutions for the techniques have been explained in the text. Every mathematical technique is exemplified with a number of solved problems. Unlike many Production and Operations Management texts, this book covers E-commerce, Industrial Safety, Maintenance, Environmental Management (Green Productivity) and new technological trends in the discipline. These sections should add to the significance of exploring how firms can gain competitive advantage and promote sustainable development at the same time. The last section of the book comprises of a selection of cases from The Indian Institute of Management at Ahmedabad. The cases encompass the entire spectrum of Indian Industry the private and the public sectors, professional and family managed business organizations, service and manufacturing industries, single industry and conglomerates. The cases relate to Operations Strategy, Supply Chain Management, Capacity Planning, New Products, Manufacturing Technologies, etc. The Case Studies are of world class. Prof. Tirupati, one of the authors of the case studies, according to Management Science, has penned one of the top 100 management articles in the 50 years. The book is comprehensive, lucid and easy to read and understand. It should be of great value both to students and faculty.

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.

The Book Is Primarily Intended To Meet The Demands For A Textbook On The Subject That Systematically Covers The Complete Syllabus Of Uptu On Industrial Engineering For The Second Year B.Tech. Students Of Mechanical, Industrial, Production And Metallurgical Engineering Branches. The Book Precisely Covers The Material In Required Details In A Lucid Manner Using Simple English To Enable An Average Student To Grasp The Subject. Sufficient Solved Examples Have Been Included Throughout The Text To Illustrate The Concepts. Simple Illustrative Reproducible Sketches And Diagrams Have Been Given To Help In Easy Comprehension Of The Subject. The Book Includes The Basic Topics On Industrial Engineering In Twenty Three Chapters. The First Chapter Presents A Detailed Introduction Highlighting The Subject Along With Its Need And Importance. The Book Covers Topics Like: Productivity, Workstudy, Job Evaluation, Plant Layout, Materials Handling, Production Planning And Control, Depreciation, Replacement Analysis, Inventory Control, Mrp, Tqm, Business Organization, Forms Of Ownership, Hrp, Factory Legislation, Sales Management, Forecasting Accounting, Budgetary Control, Project Management (Pert/Cpm), Break-Even Analysis, Or, Engineering Economy, Optimisation Analysis, E-Commerce, Quality Management Of Physical Resources.

"Covers the core concepts and theories of production and operations management in the global as well as Indian context. Includes boxes, solved numerical examples, real-world examples and case studies, practice problems, and videos. Focuses on strategic decision making, design, planning, and operational control"--Provided by publisher.

Fundamentals of Operations Management Irwin Professional Publishing Operations Management An Integrated Approach

This well-balanced text with its fine blend of theory and applications, gives an in-depth understanding of production and operations management in an easy-to-understand style. Employing an innovative approach, the author, shows how the use of modern advanced technology gives a boost to production processes and significantly helps production and operations management. The book clearly demonstrates the use of special software packages to solve actual problems. Retaining the original contents, the book, divided into six parts, explains following in its second edition WHY Necessity of production and operations management WHAT Product/service design, product quality and other issues HOW Process design and related issues WHERE Plant location, layout and capacity WHEN Planning and control of production operations WHO Human relations issues that affect production and operations Key features • Learning objectives at the beginning of each chapter enable readers to focus on important points of a chapter. • A concept quiz at the end of each chapter helps the reader to evaluate his understanding of the concepts explained in a chapter. • Numerous solved examples, and answers to all chapter-end numerical problems have been provided. • Covers Service Operations in almost every chapter in addition to the traditional manufacturing operations. • A section with 10 progressive short case studies gives real-world experience. • Chapter-end summary helps readers to review and recapitulate the key concepts. The students of management and engineering (mechanical, production and industrial engineering) will be benefited with the book. An instructor manual containing PowerPoint slides and solutions to chapter-end problems is available. The book is recommended by AICTE for PGDM course. The link is [www.aicte-india.org/model syllabus.php](http://www.aicte-india.org/model syllabus.php)

The 5th Edition of Jack Marchewka's Information Technology Project Management focuses on how to create measurable organizational value (MOV) through IT projects. The author uses the concept of MOV, combined with his own research, to create a solid foundation for making decisions throughout the project's lifecycle. The book's integration of project management and IT concepts provides students with the tools and techniques they need to develop in this field.

Creating value through Operations Management. Operations Management provides readers with a comprehensive framework for addressing operational process and supply chain issues. This text uses a systemized approach while focusing on issues of current interest. NOTE: This is the standalone book, if you want the book/access card order the ISBN below: 0132960559 / 9780132960557 Operations Management: Processes and Supply Chains Plus NEW MyOMLab with Pearson eText -- Access Card Package Package consists of 0132807394 / 9780132807395 Operations Management: Processes and Supply Chains 0132940477 / 9780132940474 NEW MyOMLab with Pearson eText -- Access Card -- for Operations Management: Processes and Supply Chains

This comprehensive text features an integrative framework of planning, organizing and controlling and provides end-of-chapter supplements for quantitative analysis. It also offers problems which can be solved by the computer and a QSOM software edition of the text is also available.

A comprehensive introduction to the analytical tools useful in identifying and understanding the problem areas in operations management.

A practical, step-by-step guide to total systems management Systems Engineering Management, Fifth Edition is a practical guide to the tools and methodologies used in the field. Using a "total systems management" approach, this book covers everything from initial establishment to system retirement, including design and development, testing, production, operations, maintenance, and support. This new edition has been fully updated to reflect the latest tools and best practices, and includes rich discussion on computer-based modeling and hardware and software systems integration. New case studies illustrate real-world application on both large- and small-scale systems in a variety of industries, and the companion website provides access to bonus case studies and helpful review checklists. The provided instructor's manual eases classroom integration, and updated end-of-chapter questions help reinforce the material. The challenges faced by system engineers are candidly addressed, with full guidance toward the tools they use daily to reduce costs and increase efficiency. System Engineering Management integrates industrial engineering, project management, and leadership skills into a unique emerging field. This book unifies these different skill sets into a single step-by-step approach that produces a well-rounded systems engineering management framework. Learn the total systems lifecycle with real-world applications Explore cutting edge design methods and technology Integrate software and hardware systems for total SEM Learn the critical IT principles that lead to robust systems Successful systems engineering managers must be capable of leading teams to produce systems that are robust, high-quality, supportable, cost effective, and responsive. Skilled, knowledgeable professionals are in demand across engineering fields, but also in industries as diverse as healthcare and communications. Systems Engineering Management, Fifth Edition provides practical,

invaluable guidance for a nuanced field.

This remarkable volume highlights the importance of Production and Operations Management (POM) as a field of study and research contributing to substantial business and social growth. The editors emphasize how POM works with a range of systems—agriculture, disaster management, e-commerce, healthcare, hospitality, military systems, not-for-profit, retail, sports, sustainability, telecommunications, and transport—and how it contributes to the growth of each. Martin K. Starr and Sushil K. Gupta gather an international team of experts to provide researchers and students with a panoramic vision of the field. Divided into eight parts, the book presents the history of POM, and establishes the foundation upon which POM has been built while also revisiting and revitalizing topics that have long been essential. It examines the significance of processes and projects to the fundamental growth of the POM field. Critical emerging themes and new research are examined with open minds and this is followed by opportunities to interface with other business functions. Finally, the next era is discussed in ways that combine practical skill with philosophy in its analysis of POM, including traditional and nontraditional applications, before concluding with the editors' thoughts on the future of the discipline. Students of POM will find this a comprehensive, definitive resource on the state of the discipline and its future directions.

"Today, companies are competing in a very different environment than they were only a few years ago. Rapid changes such as a globally interconnected environment, the Internet, big data analytics, advances in technology, and sustainability imperatives have required businesses to adapt their standard practices. Operations management (OM) is the critical function through which companies can succeed in this competitive landscape. Operations management concepts are not confined to one department. Rather, they are far-reaching, affecting every functional aspect of the organization. Whether studying accounting, finance, human resources, information technology, management, marketing, or purchasing, students need to understand the critical impact operations management has on any business"--

Take a crash course in boosting operational efficiency! Whether a business manufactures trucks, delivers packages, or sells coffee, it lives and breathes on its operations. Without exception. Ensuring smooth, efficient processes is a challenging task--but the rewards are immense. The McGraw-Hill 36-Hour Course: Operations Management puts you on the fast track to bolstering and managing the effectiveness of your organization's operations. Complete with exercises, self-tests, and an online final exam, this virtual immersion course in operations management teaches you how to:

Evaluate and measure existing systems' performance Use quality management tools like Six Sigma and Lean Production Design new, improved processes Define, plan, and control costs of projects Take this in-depth course on operations management and put your vision into action. This is the only book on the syllabus. Class begins now!

Operation Strategy Second Edition Nigel Slack and Michael Lewis Ideal for Advanced Undergraduate and Postgraduate

students, this book builds on concepts from Strategic Management, Operations Management, Marketing and HRM to give students a comprehensive understanding of Operations Strategy. Features Comprehensive and accessible with authoritative authorship and an excellent blend of theory and practice A European context Engaging case studies Teaching resources including an Instructor's Manual with extensive case notes and PowerPoint slides at [www.pearsoned.co.uk/slack](http://www.pearsoned.co.uk/slack). What's New? This new edition has been focused to concentrate on the most significant topics in the subject, with 10 chapters replacing the previous 15. New material has been added and coverage of some older topics has been revised (see new table of contents). End-of-chapter case exercises have been replaced by a major end-of-book section of 'Harvard-type' cases. New to the Instructor's resources online: additional cases and a set of questions and answers for class use / exam use. New coverage of hot topics, such as the implications of ERP and Six Sigma on ops strategy, agility and its inter-relationship with lean, supply management issues, operations strategy for competitive advantage and SCM, and implementation.

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.

Total Quality Management (TQM) is structured around a five part model, with the core of the model being the customer-supplier interface. This book includes case studies which illuminate hands-on application of the theories of TQM within the Pacific Rim region and include: Australia, New Zealand, Fiji, Singapore, Hawaii, Hong Kong and Malaysia.

This text provides a survey of the analytical methods used to support the functions of production and operations management. This latest edition continues to bring the most thorough coverage of cutting-edge quantitative models used in operations, while presenting it in a clean, easy to understand fashion. There are many new problems both solved and unsolved for students to comprehend the quantitative material of the book. Furthermore, we have enhanced the technology package of this book to have more applied learning of concepts and skills for students. Lastly, technology, such as the internet, ecommerce, etc has been added to reflect the changes in how business is conducted. This text reflects Steve Nahmias' extensive teaching background and experience in both business and engineering schools. .

Written by best-selling authors in their field, the Fourth Edition of Operations and Process Management inspires a critical

and applied mastery of the core principles and process which are fundamental to successfully managing business operations. Approaching the subject from a managerial perspective, this brand new text provides clear and concise coverage of the nature, principles, and practice of operations and process management.

This widely adopted and well-established book, now in its Third Edition, provides the students of management and engineering with the latest techniques in production and operations management, considered so vital for maximizing productivity and profitability in business. What distinguishes the text is a comprehensive coverage of topics such as contract laws, capacity requirement planning, vendor evaluation including AHP method, quality function deployment, and enterprise resource planning. The new topics, which are of current interest, along with the characteristic features and easy-to-read style, would enhance the value of this text. The book is primarily intended as a text for postgraduate students of management, undergraduate students of mechanical engineering and undergraduate and postgraduate students of industrial, and production engineering courses. This profusely illustrated and well-organized text with its fine blend of theory and applications would also be useful for the practicing professionals. NEW TO THIS EDITION :

Objective Type Questions at the end of each chapter Additional example problems in Chapters 5 and 17 XYZ, VED, FSN, and SDE analyses Process planning case study in Chapter 2 Case Study Questions in Chapters 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, and 15 Heuristic to minimise total tardiness in single machine scheduling KEY FEATURES : Focuses on productivity related concepts and techniques Provides solved examples at suitable places Includes sufficient tables and diagrams to illustrate the concepts Updates the reader with many efficient and modern algorithms Contains Answers to selected questions and Objective type questions

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.

The world is in a constant state of flux, and this influences the operations of every business and organisation. Business Management: A Contemporary Approach deals with these changes by covering the functions of a business or an organisation and then addressing the contemporary issues that affect them. These issues include globalisation, corporate entrepreneurship and citizenship, credit, diversity and HIV/AIDS. Every student of business and business manager needs to understand the importance of these issues and their influence on the operations of a business. Business Management: A Contemporary Approach also highlights the interdependency between the various business functions. This interdependency is very important for a business or organisation to operate as a whole.

WHAT'S IN IT FOR ME? Information technology lives all around us-in how we communicate, how we do business, how we shop, and how we learn. Smart phones, iPods, PDAs, and wireless devices dominate our lives, and yet it's all too easy for students to take information technology for granted. Rainer and Turban's Introduction to Information Systems, 2nd edition helps make Information Technology come alive in the classroom. This text takes students where IT lives-in today's businesses and in our daily lives while helping students understand how valuable information technology is to their future careers. The new edition provides concise and accessible coverage of core IT topics while connecting these topics to Accounting, Finance, Marketing, Management, Human resources, and Operations, so students can discover how critical IT is to each functional area and every business. Also available with this edition is WileyPLUS - a powerful online tool that provides instructors and students with an integrated suite of teaching and learning resources in one easy-to-use website. The WileyPLUS course for Introduction to Information Systems, 2nd edition includes animated tutorials in Microsoft Office 2007, with iPod content and podcasts of chapter summaries provided by author Kelly Rainer.

This Fourth Edition helps readers develop the wide-ranging knowledge and analytical skills they need to succeed in today's burgeoning and dynamic hotel industry. This comprehensive volume encourages critical thinking by providing different points of view through contributions from sixty leading industry professionals and academics. Within a coherent theoretical structure, this updated edition enables readers to formulate their own ideas and solutions.

Revised edition of: Construction management / Daniel W. Halpin, Bolivar A. Senior. 2011.

A Very Industrious People explains many principles of production and operations management according to revealed eternal truths. The intent of this approach is to make this very important subject more approachable to and appreciated by readers and students so that we-God's sons and daughters-may ultimately experience the joy of being skillful creators and producers in this life and beyond.

About the Book: This book presents lucid treatment of a wide range of issues involved in Operations Management. It emphasises on the analysis and quantitative techniques for the overall role of Operations Management in organisations, which aim at maximis

Addressing the specific needs of engineers, scientists, and technicians, this reference introduces engineering students to the basics of marketing, human resource management, employment relations, personnel management, and financial management. This guide will help engineering students develop a sense for business and prepare them for the commercial and administrative dealings with customers, suppliers, contractors, accountants, and managers.

This is a substantial new edition of a successful textbook which continues to have a sensible and 'easy to read' style.

Each Chapter has a past/present/future theme with a real strategic approach. Strategic Operations Management shows

operations as combining products and services into a complete offer for the customer. Services are therefore seen as key and are integrated throughout the material in each chapter. Manufacturing, service supply and other key factors are all shown to be in place. In an era where companies are fond of talking about core competences but still struggle to understand their operations, this is an important for academics and practitioners alike. Only when managers understand their operations will they be able to leverage them into any sort of capabilities that will lead to competitive advantage. Online tutor resource materials accompany the book.

This Book Presents Lucid Treatment Of A Wide Range Of Issues Involved In Production And Operations Management. It Focuses On The Latest Techniques In Production Planning And Control Considered To Be Pivotal For Organizations, Which Aim At Maximizing Their Productivity And Profitability. The Book Further Discusses In Detail The Production System Concept, Facility Location, Plant Layout Design, Production Scheduling, Mass Production Techniques Such As Assembly Line Balancing Maintenance Planning And Control, Scheduling, Quality Control; And Modern Production Management Tools That Include Cim, Tqm And Iso 9000 Series. Primarily Designed As A Textbook For Various Courses Like Bbm, Bba, B.Com., Mba And Also Useful For Students Pursuing Courses, Production And Operations Management, Mechanical, Industrial And Production Engineering Of Bangalore And Other Indian Universities. Salient Features: \* Book Is Written In Simple And Lucid Style \* Contents Are Presented In A Most Meticulous Manner \* Charts Are Provided For Easy Understanding Of The Concepts \* Exercises Are Designed For Self-Evaluation And Include Objective Type, Analytical Type And Application Type Questions \* Contains Examination Question Bank \* Contains Exhaustive Glossary Of Terminologies \* Focuses On Materials Management Concepts And Techniques \* Focuses On Plant Location And Layout Concepts \* Focuses On Statistical Quality Control Concepts And Technique \* Focuses On Industrial Engineering Concepts Such As Time Motion Study, Maintenance Management, Waste Management & Automation

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