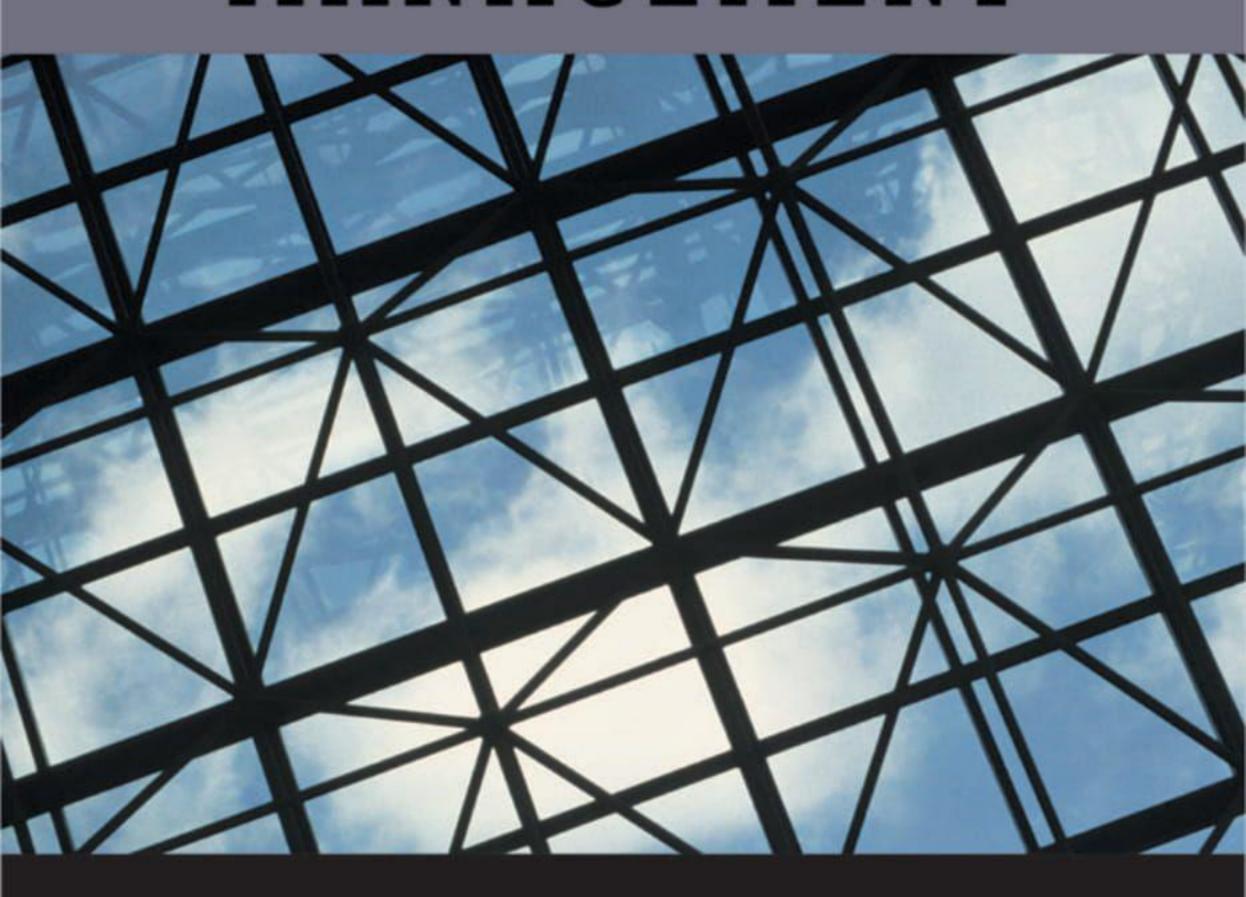
Encyclopedia of MANAGEMENT



5th Edition

Edited by Marilyn M. Helms, D.B.A.

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HIGHLIGHTS

The fifth edition of the *Encyclopedia of Management* presents a completely refreshed look at the vast and continually evolving field of management. Through 303 essays, readers will encounter thousands of terms, issues, and concepts such as:

- Aggregate Planning
- Apprenticeship Programs
- Balanced Scorecard
- Benchmarking
- Coalition Building
- Ethics
- Globalization
- Hypothesis Testing
- Inventory Management
- Japanese Management
- Lean Manufacturing and Just-in-Time Production
- Management Awards
- Mission and Vision Statements
- Organization Theory
- Outsourcing and Offshoring
- Pioneers of Management
- Project Management
- Quality of Work Life
- Time-Based Competition
- Virtual Organizations
- Women and Minorities in Management
- World-Class Manufacturer
- Zero-Sum Game

The Encyclopedia of Management's essays offer a unique starting point for individuals seeking comprehensive information that can't be adequately conveyed through brief dictionary-like definitions. Placed into context, and enhanced by background data as well as graphics and statistics, the topics covered in this volume are of both current and enduring interest.

ADDITIONAL FEATURES

- Contents are arranged alphabetically from A to Z in one volume
- One comprehensive tiered index simplifies accessibility
- Cross-references abound to help readers locate information
- Many essays written by acclaimed experts in their fields
- "Further Reading" sections provide source suggestions for further study
- Graphs, charts, and tables
- Math formulas illustrate concepts and models

Composed by subject matter specialists and business writers, under the guidance of an expert advisory panel headed by Dr. Marilyn M. Helms of Dalton State College, *EoM* represents a substantial contribution to business and management reference. Students, scholars, and business practitioners alike will find a wealth of information in this fully revised source.

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PREFACE AND USER'S GUIDE

PREFACE

The Encyclopedia of Management, 5th Edition is an alphabetical reference book covering a comprehensive slate of management concepts. Last published in 2000, this fully revised work represents the latest management theories and practices. Each essay has been revised and new essays have been added to reflect the current state of management. The Encyclopedia's essays represent an authoritative treatment of the entire field of management, encompassing all the current theories and functional areas of this vast and growing discipline. For the management student, manager, business practitioner, reference librarian, or anyone interested in a better understanding of a business management term or concept, the Encyclopedia should be a first-stop for general information as well as a link to other management concepts, related terms, references, and electronic databases and information sources. It is designed to be a desk reference for everyday business management needs.

Still another use of the *Encyclopedia* is in a deeper understanding of one or more key functional areas of management. By using the book as a systematic or a programmed reading of entries in selected categories or cluster areas, the reader can obtain a more thorough, in-depth understanding of key functional areas of management. By reading all the essays for the terms under each heading in the "Guide to Functional-Area Readings", individuals with a limited business background, a specialty in another management functional area, or a liberal arts education background can gain a broad, general familiarity with the entire scope of the management discipline today in one easy-to-use reference source.

The field of management is an extremely broad discipline that draws upon concepts and ideas from

the physical and social sciences, particularly mathematics, philosophy, sociology, and psychology. Within business, the field of management includes terms and ideas also common to marketing, economics, finance, insurance, transportation, accounting, computer technologies, information systems, engineering, and business law.

Management has applications in a wide variety of settings and is not limited to business domains. Management tools, as well as the art and science of management, find applications wherever any effort must be planned, organized, or controlled on a significant scale. This includes applications in government, the cultural arts, sports, the military, medicine, education, scientific research, religion, not-for-profit agencies, and in the wide variety of for-profit pursuits of service and manufacturing. Management takes appropriate advantage of technical developments in all the fields it serves.

The growth of the discipline of management has also led to specialization or compartmentalization of the field. These specialties of management make learning and study easier, but at the same time make broad understanding of management more difficult. It is particularly challenging to the entrepreneur and the small business owner to master the subject areas, yet this group is compelled to excel at all management functions to further their businesses' success. Management specialties have grown to such an extent it is difficult for any single manager to fully know what management is all about. So rapid have been the strides in recent years in such subjects as decision making, technology, the behavioral sciences, management information systems, and the like, to say nothing of proliferating legislative and governmental regulations affecting business, that constant study and education is required of all managers just to keep current on the latest trends and techniques. Thus, managers and executives need a comprehensive management desktop reference source to keep up-to-date. Having the management essays in one comprehensive encyclopedia saves valuable research time in locating the information.

In the growing age of specialists, there is a growing lack of generalists. Typically, a business manager spends a large percentage of their career developing a great familiarity and proficiency in a specialized field, such as sales, production, procurement, or accounting. The manager develops a very specialized knowledge in this area but may develop only a peripheral knowledge of advances in other areas of management. Yet as these individuals are promoted from a specialisttype position up the organizational chart to a more administrative or generalist supervisory or leadership position, the person with newly enlarged responsibilities suddenly finds that their horizon must extend beyond the given specialty. It must now include more than just a once-superficial understanding of all aspects of managing, including purchasing, manufacturing, advertising and selling, international management, quantitative techniques, human resources management, public relations, research and development, strategic planning, and management information systems. The need for broader management understanding and comprehension continues to increase as individuals are promoted.

The Encyclopedia of Management has had, as its goal, to bridge this gap in understanding and to offer every executive, executive-aspirant, management consultant, and educator and student of management, both comprehensive and authoritative information on all the theories, concepts, and techniques that directly impact the job of management. Building on the solid reputation established in prior editions, this thoroughly updated reference source strives to make specialists aware of the other functional areas of the management discipline and to give the top manager or administrator who occupies the general manager position new insights into the work of the specialists whom he or she must manage or draw upon in the successful management of others. In addition, the Encyclopedia proposes to make all practitioners aware of the advances in management science and in the behavioral sciences. These disciplines touch upon all areas of specialization because they concern the pervasive problems of decision-making and interpersonal relations.

USER'S GUIDE AND COMPILATION

REFERENCE, PLUS A PLANNED READING PROGRAM. The information in the *Encyclopedia* is accessible in two forms. First, through the traditional A-to-Z compilation, the reader readily has the quick answer to an

immediate question or concise background information on any aspect of the field of management. As a handy desktop reference, the information is readily accessible. Second, and of more lasting importance, as a planned reading program for in-depth pursuit of any of the functional areas of management—the reader's own M.B.A., if you will. This program is set forth in the "Guide to Functional-Area Readings" located at the end of the frontmatter.

cross-referencing and special features. The arrangement of the essays on a strictly alphabetical basis, rather than by subject categories, makes for extremely rapid and convenient information retrieval. At the same time, the extensive cross-referencing makes it easy to pursue a major area of interest in any depth of study desired. "See-title" cross-references serve to guide the reader directly toward the location of essays that may be recognized by more than one commonly used term. (For example, upon turning to "E-commerce" the see-title cross-reference would direct the reader to turn to "Electronic Commerce".)

Special features found within the essays include the following:

- "See Also" references, included at the end of many essays, refer the reader to further topics of closely related interest.
- Charts, graphs, tables, and formulae are included as illustrative examples whenever appropriate.
- Further Reading sections are included at the end of most entries. The bibliographic and URL citations point the reader toward a variety of suggested sources for further study and research.

INDEX. Supporting the easy-to-use, extensive system of cross-references, is a comprehensive index at the back of the *Encyclopedia*. The **Index** contains alphabetical references to the following as mentioned in the essays: important or unusual terms; names of companies, institutions, organizations, and associations; key governmental agencies; specific legislation; relevant court cases; names of prominent or historical individuals; titles of groundbreaking literature; and significant studies.

COMPREHENSIVE COVERAGE AND COMPILATION METHOD. Every effort has been made to achieve comprehensiveness in choice and coverage of subject matter. The 303 essays frequently go far beyond mere definitions and referrals to other sources. They are indepth treatments, discussing background, subject areas, current applications, and schools of thought. In addition, information may be provided about the kinds

of specialists who use the term in a given organization, the degree of current acceptance, and the possibilities for the future as the subject undergoes further development and refinement. Longer essays frequently provide charts, graphs, or examples to aid in understanding the topic.

All essays were written by recognized scholars, practitioners, and authorities in the field, including business management professors, other business professors, M.B.A. and doctoral research students, researchers, practitioners, reference librarians, and professional business writers. Additionally, all essays were vetted by the editor for accuracy, originality, and currency. The authors of all essays followed the editorial process specified for providing the reader

an initial overview of the topic followed by information on the variety of management problems the information can be used to solve. Thus, if the reader has little knowledge of a term, after referring to the *Encyclopedia of Management*, 5th Ed., he or she will be in possession of the basics of the subject—objective, scope, implementation, current usage in practice, and expected future usage. With this information, the reader will then be in a position to ask the right kind of questions of specialists and technicians to make sure that the firm (or department, or unit, or agency, etc.) is taking full advantage of the opportunity the term presents.

Marilyn M. Helms D.B.A., CFPIM, CIRM

EDITOR AND ADVISORS

ABOUT THE EDITOR AND ADVISORY BOARD

At the heart of the *Encyclopedia of Management's* editorial process was the Advisory Board. The Board team included a management professor, business reference librarians, and a freelance business writer and entrepreneur. This team of scholars and specialists, in addition to their teaching, research, writing and service work, found time to devote their expertise to the *EoM*. Their work began in developing and defining the list of management topics essential for inclusion. In addition to authoring a number of essays, they also assisted in selecting other qualified writers to contribute in their areas of management expertise. A brief biography of the editor and advisory board members is presented below.

DR. MARILYN M. HELMS is the Sesquicentennial Endowed Chair and a Professor of Management at Dalton State College (DSC), Dalton, Georgia. She works closely with the area business community on research projects, seminars, and training programs. Helms teaches production and operations management classes as well as classes in quality management and entrepreneurship. She held the UC Foundation and George Lester Nation Professor of Management at the University of Tennessee at Chattanooga from 1987 to 2000 where she also directed the Institute for Women as Entrepreneurs.

Helms holds a Doctorate of Business Administration Degree from the University of Memphis (TN). She is a Certified Fellow in Production and Inventory Management (CFPIM) and a Certified Integrated Resources Manager (CIRM) of the American Production and Inventory Control Society (APICS). She also teaches certification review courses for APICS and serves as Educational Director for the local Tri-State

Chapter of APICS. Dr. Helms is a Certified Quality Manager certified by the American Society for Quality.

She has published over 200 articles in periodicals including the *Production and Inventory Management Journal; Transportation Quarterly; European Business Review; Journal of Information Systems Education; International Journal of Benchmarking for Quality Management and Technology; The TQM Magazine; Industrial Management; Quality Progress; Industrial Management; and the Operations Management Review.*

Dr. Helms is a frequent manuscript and book reviewer, writes business cases and authors ancillaries and study guides for production and operations management textbooks. She also writes a business column for the Sunday *Dalton Daily Citizen* newspaper. She has received grants from the U.S. Department of Education, the Coleman Foundation, and the Southern Regional Education Board to develop new curricula and outreach programs. She serves on the editorial board of several academic peer-reviewed journals.

Dr. Helms has also directed and taught study abroad programs in Tokyo, Japan; Manchester Business School and at Kings College-Kensington (London); Cairns and Sydney, Australia; Monterrey, Mexico; Dublin and Galway, Ireland; and Moscow and St. Petersburg, Russia. She was awarded the Fulbright Teaching and Research Award and taught at the University of Coimbra, Portugal from April to June 2000.

She is a member of numerous professional organizations including the Academy of Management, the Academy of Entrepreneurship, the Decision Sciences Institute, the American Society for Competitiveness, and the American Production and Inventory Control Society. Her current research interests include entrepreneurship

by women, manufacturing strategy, and supply chain management.

Helms has local and regional consulting experience and has spoken to international and national groups including the Decision Sciences Institute, the American Production and Inventory Control Society, and the Academy of Management. Her current research interests include women entrepreneurs, international competitiveness issues, corporate boards and leadership.

Dr. Helms comments on the *EoM*:

Even though the computer is always on and I can search the Internet for any topic, the most efficient way to find business management information is to start with the *EoM*. If a colleague mentions a business management term I need to be more familiar with, I consult the *EoM* and encourage my students to do the same. Even in the Internet age, I use a number of encyclopedias for their ease of use and comprehensive nature. You can be up-to-date on a subject in just a few minutes. It's the most effective way to start a research project. The essays in the EoM are also helpful to managers studying for certification and credentialing examinations. They offer a quick review. I am especially proud of the readings guide by subject area. I'd encourage all readers to read the Emerging Topics in Management selection of essays.

DR. R. ANTHONY (TONY) INMAN holds a Doctorate in Business Administration in Management from the University of Memphis (1988), an M.B.A. from the University of North Alabama (1983), and a Bachelor's degree from the University of Mississippi (1973).

Dr. Inman is the Ruston Building and Loan Professor of Management at Louisiana Tech University. Before assuming this professorship in 1997 he was an Associate Professor of Management at Louisiana Tech. Dr. Inman has taught courses in graduate and undergraduate Production/Operations Management, undergraduate Total Quality Management and undergraduate Purchasing. He has been a member of graduate faculty since 1990.

Dr. Inman has business experience as a former Materials Supervisor for Intex Plastics, as a Production Control Supervisor for Spun Steel, and as an Inventory Analyst for ITT Telecommunications.

Widely published in his field, his articles have appeared in journals such as *Production & Inventory Management Journal, Decision Sciences, International Journal of Production Research, International*

Journal of Operations and Production Management, and Production Planning and Control. He has served on the editorial boards of Production & Inventory Management Journal, Production Planning and Control, and Southern Business and Economic Journal.

Dr. Inman is a Certified Fellow in Production and Inventory Management (CFPIM) through the American Production and Inventory Control Society (APICS). He is also an Academic Jonah as recognized by the Goldratt Institute. He was ranked 17th nationally in the article "POM Research Productivity in U.S. Business Schools," by S.T. Young, B.C. Baird, and M.E. Pullman, as published in the *Journal of Operations* Management volume 14 no.1, March 1996. He is a recipient of the Shingo Prize for Excellence in Manufacturing: Shingo Prize Research Award for 1993, for "Determining the Critical Elements of Just-In-Time Implementation," in Decision Sciences volume 23 no.1, January/February 1992. He was recently given the Louisiana Tech University Foundation Professor Award for 2005.

Dr. Inman comments on the EOM:

Even as one of the authors, I continually find the *Encyclopedia of Management* to be a helpful tool for those times when I need to quickly "brush up" on a topic. It should be even more useful for students and practitioners. I frequently recommend it to students who need an understandable overview of a difficult subject. My biggest problem in using the book is in finding it (I'm not sure where it is at this moment), as it is constantly on loan.

The addition of current topics and the deletion of obsolete ones required a thorough analysis by a number of management experts. New entries plus the updating of the retained topics challenged us to find not only those most knowledgeable in their fields but those with the ability to convey their knowledge in a brief but thorough and understandable manner. I think we have succeeded quite well!

Library of Management and Economics at Purdue University in West Lafayette, Indiana. Judith has a B.S. degree from Valparaiso University in Indiana and a M.L.S. from the University of Iowa. Prior to working at the Krannert Library she worked at the University of Arizona as a business librarian, and a librarian at the Consumer and Family Sciences Library at Purdue. Nixon is a frequent advisor on business reference sources. Her published articles have appeared in periodicals such as the *Journal of Business and Finance Librarianship*. As a librarian, Judith is both the head of the free-standing business library and leads a team

of three business reference librarians as well as six support staff. She assists undergraduates through Ph.D.-level graduate students with their research projects as well as answers a broad range of business questions from data source needs to beginning search strategies and techniques. She works closely with a number of business faculty members including the tax law area. She instructs upper level accounting students in the use of the online tax service. She teaches classes on library use for a number of business groups. In addition, her library assists with business research needs for the entire Purdue University, and technology students in particular. Her research interests include: using data to evaluate collection needs, team building, and economic collection. She also manages the Krannert Special Collection of historic economic books.

Judith shares her thoughts about the EOM, 5th edition:

The Encyclopedia of Management is a valuable first stop for research on the broad range of topics in the field of management. The essays are concise, accurate and readable. In addition, each essay has a very concise list of the most useful books, articles and websites so the reader can get a quick start on the research process. This new edition, the first since 2000, will be welcomed by librarians and researchers. We keep it at the reference desk and use it frequently.

writer with the Northern Lights Writers Group. Laurie received an MBA from the University of Michigan and is co-founder of Northern Lights Writers Group, an editorial services firm based in Michigan. She has authored or edited award-winning reference books on a wide range of subjects, including business and industry, biography, American history, and international environmental issues. Publications include *Encyclopedia of Small Business* (2001), The World's Environments (2003), War in the Persian Gulf Reference Library (2004), and The Industrial Revolution in America (2005).

Laurie comments on the *EOM*:

This completely updated edition of the *Encyclopedia of Management* features new entries on topics that managers must understand to succeed in business today. From the latest developments in Affirmative Action legislation to the intricacies of Flexible Spending Accounts, and from the emerging technology of Radio-Frequency Identification to the time-saving potential of Handheld Computers and Instant Messaging, *EoM* provides managers with up-to-date information on a wide variety of current business issues.

The editor would also like to thank Julie Gough, editorial coordinator of the *EoM* at Thomson Gale for her effort in coordinating this project and offering her expertise and guidance.

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GUIDE TO FUNCTIONAL-AREA READINGS

Eighteen functional-area reading curricula are outlined below. Items listed beneath each heading represent titles of specific essays in the *EoM*.

1. CORPORATE PLANNING AND STRATEGIC MANAGEMENT

Aggregate Planning Brainstorming

Business Continuity Planning

Business Plan
Capacity Planning
Decision Making

Decision Rules and Decision Analysis

Decision Support Systems Diversification Strategy

Divestment

Downsizing and Rightsizing

Economies of Scale and Economies of Scope

Exporting and Importing

Franchising

Free Trade Agreements and Trading Blocs

Futuring Gap Analysis

Generic Competitive Strategies

Globalization

Goals and Goal Setting
Group Decision Making
Location Strategy

Macroenvironmental Forces Make-or-Buy Decisions

Manufacturing Resources Planning

Market Share Mergers and Acquisitions

Miles and Snow Typology

Multiple-Criteria Decision Making

New Product Development

Open and Closed Systems Operations Strategy

Opportunity Cost

Order-Winning and Order-Qualifying Criteria

Porter's 5-Forces Model

Product Life Cycle and Industry Life Cycle

Production Planning and Scheduling

Strategic Planning Failure Strategic Planning Tools Strategy Formulation Strategy Implementation

Strategy in the Global Environment

Strategy Levels SWOT Analysis

Synergy

Zero-Based Budgeting

2. EMERGING TOPICS IN MANAGEMENT

Activity-Based Costing
Affirmative Action

Angels and Venture Capitalists

Artificial Intelligence Assessment Centers Balanced Scorecard

Bar Coding and Radio Frequency Identification

Business Continuity Planning Business Process Reengineering Cafeteria Plan—Flexible Benefits

Cellular Manufacturing

Chaos Theory
Coalition Building
Complexity Theory
Concurrent Engineering

Consulting

Contingency Approach to Management

Contingent Workers

Continuing Education and Lifelong Learning Trends Cost Accounting

Corporate Governance Creativity

Corporate Social Responsibility Customer Relationship Management

Creativity Diversification Strategy

Customer Relationship Management Domestic Management Societies and Associations

Decision Support Systems

Due Diligence
Economics

Electronic Commerce Economies of Scale and Economies of Scope

Electronic Data Interchange and Electronic Effectiveness and Efficiency Funds Transfer Financial Issues for Managers

Empathy
Empowerment
Financial Ratios
First-Mover Advantage

Enterprise Resource Planning Futuring
Entrepreneurship Gap Analysis

Ergonomics Generic Competitive Strategies
Ethics Income Statements

Expatriates

Expert Systems

Initial Public Offering
Innovation

Expert Systems
Innovation
Five S Framework
Intellectual Property Rights

Flexible Spending Accounts

International Business

Futuring

Government-University-Industry Partnerships

International Management Societies and Associations

Intrapreneurship

Handheld Computers Inventory Management

Health Savings Accounts

Joint Ventures and Strategic Alliances

Human Resource Information Systems

Innovation

Instant Messaging

Knowledge Management

Knowledge Workers

Leveraged Buyouts

Intellectual Property Rights Licensing and Licensing Agreements

Intrapreneurship Location Strategy

Longitudinal Scenarios Macroenvironmental Forces
Multiple-Criteria Decision Making Make-or-Buy Decisions

Non-Compete Agreements Market Share

Outsourcing and Offshoring Marketing Concept and Philosophy

Popular Press Management Books

Quality of Work Life

Robotics

Spirituality in Leadership

Succession Planning

Marketing Research

Miles and Snow Typology

Mission and Vision Statements

New Product Development

Non-Compete Agreements

Telecommunications
Vendor Rating
Outsourcing and Offshoring
Outsourcing and Offshoring

Women and Minorities in Management Patents and Trademarks

Work-Life Balance Planning

Poison Pill Strategies

Popular Press Management Books

3. ENTREPRENEURSHIP
Angels and Venture Capitalists
Porter's 5-Forces Model
Pricing Policy and Strategy

Balance Sheets

Brainstorming

Process Management

Break-Even Point

Product Design

Budgeting Product Life Cycle and Industry Life Cycle

Business Plan Profit Sharing

Business Structure
Research Methods and Processes
Cafeteria Plan—Flexible Benefits
Resumes and Cover Letter Trends

Case Method of Analysis Scenario Planning

Cash Flow Analysis and Statements Securities and Exchange Commission

Competitive Advantage Shareholders
Consumer Behavior Stakeholders

Strategic Planning Tools

Strategy Levels
Succession Planning
SWOT Analysis

Synergy

Technology Transfer Value Creation Venture Capital

Virtual Organizations

4. FINANCIAL MANAGEMENT AND ACCOUNTING ISSUES

Activity-Based Costing

Angels and Venture Capitalists

Balance Sheets
Balanced Scorecard
Break-Even Point
Budgeting

Business Continuity Planning

Capacity Planning

Cash Flow Analysis and Statements Corporate Social Responsibility

Cost Accounting

Cost-Volume-Profit Analysis
Debt vs. Equity Financing

Domestic Management Societies and Associations

Due Diligence Economics

Electronic Data Interchange and Electronic

Funds Transfer
Employee Benefits
Employee Compensation
Executive Compensation
Financial Issues for Managers

Financial Ratios

Flexible Spending Accounts
Health Savings Accounts
Income Statements
Initial Public Offering

Internal Auditing

International Management Societies

and Associations
International Monetary Fund

Inventory Types
Leveraged Buyouts

Licensing and Licensing Agreements

Make-or-Buy Decisions
Management Control
Nonprofit Organizations
Opportunity Cost
Patents and Trademarks

Profit Sharing

Purchasing and Procurement

Risk Management

Securities and Exchange Commission

Stakeholders

Succession Planning Venture Capital Zero-Based Budgeting

5. GENERAL MANAGEMENT

Aggregate Planning

The Art and Science of Management

Autonomy

Balanced Scorecard Brainstorming Budgeting Business Plan Business Structure

Chain of Command Principle

Communication

Competitive Advantage Competitive Intelligence

Contingency Approach to Management

Contingent Workers
Continuous Improvement
Corporate Governance

Corporate Social Responsibility

Creativity
Decision Making
Delegation
Diversity
Divestment

Downsizing and Rightsizing

Economics

Effectiveness and Efficiency Electronic Commerce Empowerment

Financial Issues for Managers

Financial Ratios
Forecasting

Generic Competitive Strategies

Globalization

Goals and Goal Setting

Human Resource Management

Innovation

International Cultural Differences

International Management Knowledge Management

Leadership Styles and Bases of Power
Leadership Theories and Studies
Line-and-Staff Organizations
Logistics and Transportation
Management Control
Management Functions

Management Information Systems

Management Science
Management Styles
Management Thought
Managing Change

Mission and Vision Statements Motivation and Motivation Theory Operations Management Executive Compensation
Organization Theory Flexible Spending Accounts

Organizational Analysis and Planning Group Dynamics
Organizational Behavior Health Savings Accounts

Organizational Chart

Organizational Culture

Human Resource Information Systems

Human Resource Management

International Cultural Differences

Organizational Learning International Cultural Difference
Organizational Structure Japanese Management

Organizational Development Job Analysis
Organizing Knowledge Workers

Participative Management Listening

Patents and Trademarks Meeting Management

Pioneers of Management Mentoring
Planning Morale

Process Management Motivation and Motivation Theory

Quality and Total Quality Management Nepotism

Reactive vs. Proactive Change

Strategy Formulation

Strategy Implementation

Strategy in the Global Environment

Organizational Culture

Strategy in the Global Environment

Strategy Levels

Succession Planning

Personality and Personality Tests

Training Delivery Methods

Professional Readings for Managers

Trends in Organizational Change

Quality of Work Life

Reinforcement Theory

Resumes and Cover Letter Trends

6. HUMAN RESOURCES MANAGEMENT

Safety in the Workplace
Sensitivity Training

Apprenticeship Programs

Artificial Intelligence

Succession Planning

Assessment Centers
Attribution Theory
Autonomy
Sweatshops
Task Analysis
Teams and Teamwor

Autonomy
Body Language
Theory X and Theory Y
Brainstorming
Teams and Teamwork
Theory X and Theory Y

Cafeteria Plan—Flexible Benefits

Chain of Command Principle

Time Management

Training Delivery Methods

Coalition Building
Communication
Videoconferencing
Virtual Organizations

Contingent Workers

Women and Minorities in Management

Continuing Education and Lifelong Learning Trends Work-Life Balance
Creativity

Diversity
7. INNOVATION AND TECHNOLOGY
Downsizing and Rightsizing
Artificial Intelligence

Electronic Data Interchange and Electronic Bar Coding and Radio Frequency Identification

Funds Transfer Communication

Empathy Competitive Intelligence

Employee Assistance Programs

Employee Benefits

Complexity Theory

Computer Networks

Employee Compensation

Computer Security

Employee Evaluation and Performance Appraisals Computer-Aided Design and Manufacturing

Employee Handbook and Orientation Computer-Integrated Manufacturing
Employee Recruitment Data Processing and Data Management

Employee Screening and Selection Decision Making

Employment Law and Compliance Decision Rules and Decision Analysis

Empowerment Decision Support Systems

Ergonomics Delegation

Discrimination

Electronic Commerce Virtual Organizations
Electronic Data Interchange and Electronic World-Class Manufacturer

Funds Transfer

Experience and Learning Curves

Expert Systems
Forecasting

Handheld Computers

Innovation
The Internet

Knowledge Management Knowledge Workers

Management Information Systems

Product Design

Program Evaluation and Review Technique

and Critical Path Method

Project Management

Robotics

Technological Forecasting Technology Management Technology Transfer

Telecommunications

Virtual Organizations

8. INTERNATIONAL/GLOBAL

MANAGEMENT
Apprenticeship Programs
Competitive Advantage
Contingent Workers

Diversity European Union Expatriates

Exporting and Importing First-Mover Advantage

Franchising

Free Trade Agreements and Trading Blocs

Futuring Globalization

International Business

International Cultural Differences

International Management

International Management Societies and Associations International Monetary Fund

International Organization for Standards

Japanese Management

Licensing and Licensing Agreements

Location Strategy

Outsourcing and Offshoring
Patents and Trademarks

Macroenvironmental Forces

Popular Press Management Books Professional Readings for Managers

Profit Sharing

Strategy in the Global Environment

Sweatshops

Transnational Organization

Value-Added Tax

Vendor Rating

9. LEADERSHIP

The Art and Science of Management

Assessment Centers Attribution Theory

Business Continuity Planning

Communication

Contingency Approach to Management

Corporate Governance

Corporate Social Responsibility

Delegation

Domestic Management Societies and Associations

Entrepreneurship
Executive Compensation

Expert Systems

Goals and Goal Setting

Human Resource Management

International Management Societies and Associations

Japanese Management

Job Analysis

Joint Ventures and Strategic Alliances

Knowledge Management Knowledge Workers

Leadership Styles and Bases of Power Leadership Theories and Studies Line-and-Staff Organizations

Listening

Management and Executive Development

Management Functions
Management Levels
Management Styles
Management Thought
Managing Change

Mechanistic Organizations

Mentoring

Mission and Vision Statements

Morale

Motivation and Motivation Theory

Open and Closed Systems
Operant Conditioning
Organizational Culture
Participative Management
Personality and Personality

Personality and Personality Tests Pioneers of Management

Problem Solving
Reinforcement Theory
Sensitivity Training
Span of Control

Spirituality in Leadership Strategy Formulation Succession Planning Teams and Teamwork Theory X and Theory Y

Theory Z

Women and Minorities in Management

10. LEGAL ISSUES

Affirmative Action

Business Continuity Planning Cafeteria Plan—Flexible Benefits

Computer Networks
Computer Security
Contingent Workers
Corporate Governance

Corporate Social Responsibility

Discrimination Diversity

Downsizing and Rightsizing

Due Diligence

Electronic Data Interchange and Electronic

Funds Transfer

Employee Assistance Programs

Employee Benefits
Employee Compensation

Employee Evaluation and Performance Appraisals

Employee Recruitment

Employee Screening and Selection Employment Law and Compliance

Ethics

Executive Compensation
Human Resource Management
Intellectual Property Rights

Job Analysis
Leveraged Buyouts
Management Audit
Management Control
Mergers and Acquisitions

Nepotism

Non-Compete Agreements
Patents and Trademarks

Personality and Personality Tests

Quality of Work Life Risk Management Safety in the Workplace

Stress

Succession Planning

Sweatshops

Technology Transfer

Women and Minorities in Management

11. MANAGEMENT INFORMATION

SYSTEMS

Balanced Scorecard

Bar Coding and Radio Frequency Identification

Complexity Theory
Computer Networks
Computer Security

Computer-Aided Design and Manufacturing

Computer-Integrated Manufacturing
Data Processing and Data Management
Decision Rules and Decision Analysis

Decision Support Systems

Distribution and Distribution Requirements Planning

Electronic Commerce

Electronic Data Interchange and Electronic Funds

Transfer

Handheld Computers

Human Resource Information Systems

The Internet

Management Information Systems

Management Science

Manufacturing Resources Planning

Models and Modeling

Multiple-Criteria Decision Making Object-Oriented Programming

Operating System
Operations Management
Operations Scheduling
Scenario Planning

Statistical Process Control and Six Sigma

Systems Design, Development, and Implementation

Technological Forecasting
Technology Management
Technology Transfer

12. MANAGEMENT SCIENCE AND OPERATIONS RESEARCH

Bar Coding and Radio Frequency Identification

Business Process Reengineering

Computer-Aided Design and Manufacturing

Concurrent Engineering

Decision Rules and Decision Analysis

Decision Support Systems

Distribution and Distribution Requirements Planning

Expert Systems Location Strategy

Logistics and Transportation

Maintenance

Make-or-Buy Decisions

Manufacturing Resources Planning

Models and Modeling

Multiple-Criteria Decision Making

New Product Development

Operating System
Operations Management
Operations Scheduling
Operations Strategy

Product Design

Production Planning and Scheduling Productivity Concepts and Measures

Product-Process Matrix

Program Evaluation and Review Technique and

Critical Path Method Project Management Purchasing and Procurement

Quality and Total Quality Management Research Methods and Processes Reverse Supply Chain Logistics

Scenario Planning Service Operations Service Process Matrix

Simulation

Statistical Process Control and Six Sigma

Statistics

Systems Analysis

Systems Design, Development, and Implementation

Technology Transfer

Warehousing and Warehouse Management

World-Class Manufacturer

13. PERFORMANCE MEASURES

AND ASSESSMENT **Activity-Based Costing**

Balance Sheets Balanced Scorecard Benchmarking Break-Even Point

Budgeting Cash Flow Analysis and Statements

Continuous Improvement

Cost Accounting

Cost-Volume-Profit Analysis

Cycle Time

Debt vs. Equity Financing

Due Diligence

Effectiveness and Efficiency

Executive Compensation Financial Issues for Managers

Financial Ratios Forecasting Gap Analysis

Goals and Goal Setting

Management Audit Management Control

Management Information Systems

Market Share

Multiple-Criteria Decision Making

Nepotism

Order-Winning and Order-Qualifying Criteria

Performance Measurement Pricing Policy and Strategy

Profit Sharing

Simulation Stakeholders Value Analysis

Value Chain Management

14. PERSONAL GROWTH AND

Value Creation Vendor Rating

Zero-Based Budgeting

Zero Sum Game

Body Language

Brainstorming

15. PRODUCTION AND OPERATIONS

MANAGEMENT **Activity-Based Costing**

DEVELOPMENT FOR MANAGERS Aggregate Planning The Art and Science of Management

Bar Coding and Radio Frequency Identification

Break-Even Point

Benchmarking

Contingency Approach to Management

Continuing Education and Lifelong Learning Trends

Continuous Improvement

Coalition Building

Communication

Creativity

Consulting

Customer Relationship Management

Delegation Diversity Empathy

Employee Assistance Programs

Empowerment Entrepreneurship

Facilitator Feedback

Goals and Goal Setting **Group Dynamics** Intrapreneurship Knowledge Workers

Leadership Styles and Bases of Power

Listening

Managing Change Meeting Management

Mentoring Morale

Motivation and Motivation Theory

Multimedia Organizing

Participative Management Personality and Personality Tests

Planning

Popular Press Management Books

Problem Solving

Professional Readings for Managers

Profit Sharing

Reactive vs. Proactive Change Resumes and Cover Letter Trends

Safety in the Workplace Sensitivity Training Spirituality in Leadership Strategic Planning Tools

Stress

Succession Planning **SWOT** Analysis Teams and Teamwork

Time Management

Trends in Organizational Change

Value Creation

Bundled Goods and Services

Business Process Reengineering

Cellular Manufacturing

Computer-Aided Design and Manufacturing Supply Chain Management

Computer-Integrated Manufacturing

Concurrent Engineering Teams and Teamwork Continuous Improvement Cost-Volume-Profit Analysis

Decision Rules and Decision Analysis

Decision Support Systems

Distribution and Distribution Requirements Planning

Domestic Management Societies and Associations **Economic Census**

Five S Framework Flexible Manufacturing

Focused Factory Forecasting

Government-University-Industry Partnerships

Industrial Relations

International Management Societies and Associations

Inventory Management **Inventory Types** Japanese Management

Layout

Lean Manufacturing and Just-in-Time Production

Location Strategy

Logistics and Transportation

Maintenance

Make-or-Buy Decisions Management Awards

Manufacturing Resources Planning

Market Share

New Product Development Operations Management Operations Scheduling Operations Strategy

Order-Winning and Order-Qualifying Criteria

Outsourcing and Offshoring Participative Management

Poka-Yoke

Popular Press Management Books

Porter's 5-Forces Model Production Planning and Scheduling

Productivity Concepts and Measures **Product-Process Matrix**

Program Evaluation and Review Technique

and Critical Path Method

Project Management

Purchasing and Procurement

Quality and Total Quality Management

Quality Gurus

Reverse Supply Chain Logistics

Robotics

Safety in the Workplace Service Factory Service Industry Service Operations Service Process Matrix

Simulation

Statistical Process Control and Six Sigma

Statistics

Synergy

Technological Forecasting Technology Management Technology Transfer Theory of Constraints Time-Based Competition

Warehousing and Warehouse Management

World-Class Manufacturer

16. QUALITY MANAGEMENT AND TOTAL QUALITY MANAGEMENT

Communication

Customer Relationship Management

Domestic Management Societies and Associations

Five S Framework Gap Analysis

Goals and Goal Setting

Innovation

International Management Societies and Associations

Japanese Management Management Awards

Manufacturing Resources Planning

Marketing Research Operations Strategy **Opportunity Cost**

Order-Winning and Order-Qualifying Criteria

Outsourcing and Offshoring Participative Management Popular Press Management Books Productivity Concepts and Measures Professional Readings for Managers Quality and Total Quality Management

Quality Gurus Quality of Work Life

Statistical Process Control and Six Sigma

Strategic Planning Tools Teams and Teamwork Value Analysis Value Creation

Vendor Rating World-Class Manufacturer

17. SUPPLY CHAIN MANAGEMENT

Activity-Based Costing

Business Process Reengineering

Capacity Planning Cellular Manufacturing Coalition Building Communication Competitive Advantage Competitive Intelligence Computer Networks **Business Continuity Planning** Computer-Integrated Manufacturing Concurrent Engineering

Conflict Management and Negotiation Conflict Management and Negotiation

Customer Relationship Management Consulting

Cycle Time

Contingency Approach to Management Continuing Education and Lifelong Learning Trends **Decision Support Systems**

Distribution and Distribution Requirements Planning Continuous Improvement

Economies of Scale and Economies of Scope Corporate Social Responsibility Effectiveness and Efficiency Creativity Electronic Commerce Delegation

Electronic Data Interchange and Electronic Domestic Management Societies and Associations

Funds Transfer Downsizing and Rightsizing

Employee Evaluation and Performance Appraisals Enterprise Resource Planning

Expert Systems Employee Handbook and Orientation Group Dynamics Goals and Goal Setting

Industrial Relations Government-University-Industry Partnerships

Group Decision Making Inventory Management Human Resource Management Inventory Types

Joint Ventures and Strategic Alliances Innovation Lean Manufacturing and Just-in-Time Production **Instant Messaging**

Location Strategy International Cultural Differences

Logistics and Transportation International Management Societies and Associations

Make-or-Buy Decisions Job Analysis

Knowledge Management Manufacturing Resources Planning Knowledge Workers

Multiple-Criteria Decision Making Listening

New Product Development Management and Executive Development

Operations Management Management Audit Operations Scheduling Marketing Communication Operations Strategy Meeting Management

Mission and Vision Statements Organic Organizations Organizing Morale

Poka-Yoke Motivation and Motivation Theory

Problem Solving Multimedia Process Management Multiple-Criteria Decision Making

Product Design Organizational Culture Product Life Cycle and Industry Life Cycle Organizational Learning

Production Planning and Scheduling Organizing

Participative Management Productivity Concepts and Measures Product-Process Matrix Personality and Personality Tests Purchasing and Procurement Popular Press Management Books

Quality and Total Quality Management Problem Solving

Reverse Supply Chain Logistics Professional Readings for Managers

Risk Management Project Management Span of Control Safety in the Workplace Stakeholders Sensitivity Training

Teams and Teamwork Simulation Vendor Rating Stress

Warehousing and Warehouse Management Succession Planning

SWOT Analysis Teams and Teamwork Training Delivery Methods

18. TRAINING AND DEVELOPMENT Apprenticeship Programs Videoconferencing Artificial Intelligence Virtual Organizations

Assessment Centers Women and Minorities in Management

Work-Life Balance Autonomy