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Properties of Petroleum Reservoir Fluids - Emil J. Burcik 1978

Oil and Gas Pipelines - R. Winston Revie 2015-04-20

A comprehensive and detailed reference guide on the integrity and safety of oil and gas pipelines, both onshore and offshore Covers a wide variety of topics, including design, pipe manufacture, pipeline welding, human factors, residual stresses, mechanical damage, fracture and corrosion, protection, inspection and monitoring, pipeline cleaning, direct assessment, repair, risk management, and abandonment Links modern and vintage practices to help integrity engineers better understand their system and apply up-to-date technology to older infrastructure Includes case histories with examples of solutions to complex problems related to pipeline integrity Includes chapters on stress-based and strain-based design, the latter being a novel type of design that has only recently been investigated by designer firms and regulators Provides information to help those who are responsible to establish procedures for ensuring pipeline integrity and safety

**Carbon Dioxide Capture and Storage** - IPCC 2005-12-19

IPCC Report on sources, capture, transport, and storage of CO<sub>2</sub>, for researchers, policy-makers and engineers.

Mechanical Engineering (O.T.) - Dr. R.K. Bansal 2001

**SBA MCQs for the MRCS** - Sri G. Thrumurthy 2012-11-29

Specifically designed to help candidates revise for the MRCS exam, this book features 350 Single Best Answer multiple choice questions, covering the whole syllabus. Containing everything candidates need to pass the MRCS Part A SBA section of the exam, it focuses intensively on the application of basic sciences (applied surgical anatomy, physiology, and pathology) to the management of surgical patients. The high level of detail included within the questions and their explanations allows effective self-assessment of knowledge and quick identification of key areas requiring further attention. Varying approaches to Single Best Answer multiple choice questions are used, giving effective exam practice and guidance through revision and exam technique. This includes clinical case questions, 'positively-worded' questions, requiring selection of the most appropriate of relatively correct answers; 'two-step' or 'double-jump' questions, requiring several cognitive steps to arrive at the correct answer; as well as 'factual recall' questions, prompting basic recall of facts.

**The Quest for Artificial Intelligence** - Nils J. Nilsson 2009-10-30

Artificial intelligence (AI) is a field within computer science that is attempting to build enhanced intelligence into computer systems. This book traces the history of the subject, from the early dreams of eighteenth-century (and earlier) pioneers to the more successful work of today's AI engineers. AI is becoming more and more a part of everyone's life. The technology is already embedded in face-recognizing cameras, speech-recognition software, Internet search engines, and health-care robots, among other applications. The book's many diagrams and easy-to-understand descriptions of AI programs will help the casual reader gain an understanding of how these and other AI systems actually work. Its thorough (but unobtrusive) end-of-chapter notes containing citations to important source materials will be of great use to AI scholars and researchers. This book promises to be the definitive history of a field that has captivated the imaginations of scientists, philosophers, and writers for centuries.

Khanna's Objective Questions in Petroleum Engineering - Vikas Mahto

In this book, an attempt has been made by the auther to present numerous important questions with answers which have been methodically prepared/selected from different text books, manuals of petroleum industries, SPE technical papters and teaching materials of distinguished persons. These questions are very relevant for promoting fundamental understanding of petroleum engineering and will be

primarily useful for fresh graduates of petroleum engineering who can prepare themselves soundly for both written as well as oral examinations. The hints and solutions of most important questions are included in this book.

*Multiple Choice Questions on Oil, Gas, and Petrochemicals* - The Energy and Resources Institute (TERI) 2016-06-28

Multiple Choice Questions on Oil, Gas and Petrochemicals includes over 1500 questions covering the the exploration of oil and gas, refining of oil, natural gas and petrochemical sectors. The book is useful for students pursuing their Bachelor's or Master's Degree in petroleum exploration and for the professionals working in upstream, midstream and downstream sector of oil and gas. The book would also be used by various academic institutions and libraries.

**The State of the World's Land and Water Resources for Food and Agriculture** - Food and Agriculture Organization of the United Nations 2013-06-17

The State of the World's Land and Water Resources for Food and Agriculture is FAO's first flagship publication on the global status of land and water resources. It is an 'advocacy' report, to be published every three to five years, and targeted at senior level decision makers in agriculture as well as in other sectors. SOLAW is aimed at sensitizing its target audience on the status of land resources at global and regional levels and FAO's viewpoint on appropriate recommendations for policy formulation. SOLAW focuses on these key dimensions of analysis: (i) quantity, quality of land and water resources, (ii) the rate of use and sustainable management of these resources in the context of relevant socio-economic driving factors and concerns, including food security and poverty, and climate change. This is the first time that a global, baseline status report on land and water resources has been made. It is based on several global spatial databases (e.g. land suitability for agriculture, land use and management, land and water degradation and depletion) for which FAO is the world-recognized data source. Topical and emerging issues on land and water are dealt with in an integrated rather than sectoral manner. The implications of the status and trends are used to advocate remedial interventions which are tailored to major farming systems within different geographic regions.

*The Oil Bubble* - Samuel P. Irvin 1868

Introduction to Applied Linear Algebra - Stephen Boyd 2018-06-07

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

**Advanced IQ Tests** - Philip J. Carter 2008

Advanced IQ Tests is for puzzle lovers who are looking for a challenge. This book contains 360 of the most difficult practice questions designed to measure an advanced level of numerical, verbal, and spatial ability, logical analysis, lateral thinking, and problem solving skills. Advanced IQ Tests is useful for someone facing a graduate or managerial selection test, but it is also for those who just want to pit their skills against some of the toughest questions available. It can help anyone increase their brain power by taking on greater mental tasks and challenges.

*Oil & Gas Engineering Guide (The) - 2nd ED* - BARON Hervé 2015-03-01

This book provides the reader with: • a comprehensive description of engineering activities carried out on oil & gas projects, • a description of the work of each engineering discipline, including illustrations of all common documents, • an overall view of the plant design sequence and schedule, • practical tools to manage and control engineering activities. This book is designed to serve as a map to anyone involved with engineering activities. It enables the reader to get immediately oriented in any engineering development, to know which are the critical areas to monitor and the proven methods to apply. It will fulfill the needs of anyone wishing to improve engineering and project execution. Table des matières : 1. Project Engineering. 2. The Design Basis. 3. Process. 4.

Equipment/Mechanical. 5. Plant Layout. 6. Safety & Environment. 7. Civil Engineering. 8. Materials & Corrosion. 9. Piping. 10. Plant Model. 11. Instrumentation and Control. 12. Electrical. 13. Off-Shore. 14. The Overall Work Process. 15. BASIC, FEED and Detail Design. 16. Matching the Project Schedule. 17. Engineering Management. 18. Methods & Tools. 19. Field Engineering. 20. Revamping.

*PMP Exam Cram* - Michael Solomon 2014-10-24

*PMP Exam Cram, Fifth Edition* Project Management Professional Covers the PMBOK Fifth Edition and 2013 Exam PMP Exam Cram, Fifth Edition, is the perfect study guide to help you pass the 2013 PMP Exam. It provides coverage and practice questions for every exam topic. The book contains an extensive set of preparation tools such as quizzes and Exam Alerts, while the CD-ROM provides real-time practice and feedback with a 200-question test engine. Covers the critical information you'll need to know to score higher on your exam! --Approach the project management process from PMI's views on project management --Understand the project management framework --Properly initiate projects --Understand the project planning process --Complete the planned project work --Monitor project work and make necessary changes --Close projects CD Features 200 Practice Questions! --Detailed explanations of correct and incorrect answers --Multiple test modes --Random questions and order of answers --Coverage of each PMP exam topic Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), Windows 7, or Windows 8 Professional; Microsoft .NET Framework 4.0 Client; Pentium class 1GHz processor (or equivalent); 512MB RAM; 650MB hard disk space plus 50MB for each downloaded practice exam; access to the Internet to register and download exam databases

*Maritime Economics* - Alan Branch 2013-04-15

Now in its second edition *Maritime Economics* provides a valuable introduction to the organisation and workings of the global shipping industry. The author outlines the economic theory as well as many of the operational practicalities involved. Extensively revised for the new edition, the book has many clear illustrations and tables. Topics covered include: \* an overview of international trade \* Maritime Law \* economic organisation and principles \* financing ships and shipping companies \* market research and forecasting.

**Petroleum Production Operations** - Lewis W. Hall 1986

For those with technical expertise between novice and professional. Covers petroleum reservoirs and drive mechanisms, well completion, well performance evaluation, primary cementing, perforating, squeeze cementing, packer and tubing forces, problem well analysis, workover methods, workover planning, and beam pumping. A must for every lease operator or supervisor.

*World Trade Statistical Review 2019* - World Trade Organization 2019-10-07

A comprehensive overview of the latest developments in world trade, covering the details of merchandise trade by product and trade in commercial services

**Comprehensive Organic Chemistry Experiments for the Laboratory Classroom** - Carlos A M Afonso 2020-08-28

This expansive and practical textbook contains organic chemistry experiments for teaching in the laboratory at the undergraduate level covering a range of functional group transformations and key organic reactions. The editorial team have collected contributions from around the world and standardized them for publication. Each experiment will explore a modern chemistry scenario, such as: sustainable chemistry; application in the pharmaceutical industry; catalysis and material sciences, to name a few. All the experiments will be complemented with a set of questions to challenge the students and a section for the instructors, concerning the results obtained and advice on getting the best outcome from the experiment. A section covering practical aspects with tips and advice for the instructors, together with the results obtained in the laboratory by students, has been compiled for each experiment. Targeted at professors and lecturers in chemistry, this useful text will provide up to date experiments putting the science into context for the students.

**High Voltage Engineering** - Farouk A.M. Rizk 2018-09-03

Inspired by a new revival of worldwide interest in extra-high-voltage (EHV) and ultra-high-voltage (UHV) transmission, *High Voltage Engineering* merges the latest research with the extensive experience of the best in the field to deliver a comprehensive treatment of electrical insulation systems for the next generation of utility engineers and electric power professionals. The book offers extensive coverage of the physical basis of high-voltage engineering, from insulation stress and

strength to lightning attachment and protection and beyond. Presenting information critical to the design, selection, testing, maintenance, and operation of a myriad of high-voltage power equipment, this must-have text: Discusses power system overvoltages, electric field calculation, and statistical analysis of ionization and breakdown phenomena essential for proper planning and interpretation of high-voltage tests Considers the breakdown of gases (SF<sub>6</sub>), liquids (insulating oil), solids, and composite materials, as well as the breakdown characteristics of long air gaps Describes insulation systems currently used in high-voltage engineering, including air insulation and insulators in overhead power transmission lines, gas-insulated substation (GIS) and cables, oil-paper insulation in power transformers, paper-oil insulation in high-voltage cables, and polymer insulation in cables Examines contemporary practices in insulation coordination in association with the International Electrotechnical Commission (IEC) definition and the latest standards Explores high-voltage testing and measuring techniques, from generation of test voltages to digital measuring methods With an emphasis on handling practical situations encountered in the operation of high-voltage power equipment, *High Voltage Engineering* provides readers with a detailed, real-world understanding of electrical insulation systems, including the various factors affecting—and the actual means of evaluating—insulation performance and their application in the establishment of technical specifications.

*Principles of Oil Well Production* - T. E. W. Nind 1981

**Basic Electrical Engineering** - Mehta V.K. & Mehta Rohit 2008

For close to 30 years, *Basic Electrical Engineering* has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

**Fundamentals of Drilling Engineering** - M. E. Hossain 2016-11-11

The book clearly explains the concepts of the drilling engineering and presents the existing knowledge ranging from the history of drilling technology to well completion. This textbook takes on the difficult issue of sustainability in drilling engineering and tries to present the engineering terminologies in a clear manner so that the new hire, as well as the veteran driller, will be able to understand the drilling concepts with minimum effort.

**501 GMAT Questions** - LearningExpress LLC 2013

This comprehensive guide is designed for anyone needing additional practice while trying to master all the GMAT question types. 501 GMAT Questions will help those hoping to gain admission to their ideal business school by walking them step-by-step through 501 questions with detailed set-up and answer explanations. Organized by question type, this book features extensive practice for the most-tested concepts on the Analytical Writing, Quantitative, and Verbal test sections.

**Best of Five MCQs for the Acute Medicine SCE** - Nigel Lane 2016-01-28

*Best of Five MCQs for the Acute Medicine SCE* is a new revision resource designed specifically for this high-stakes exam. It contains over 350 Best of Five questions with explanatory answers, each accurately reflecting the layout of questions in the exam.

**Grade 10 Chemistry Multiple Choice Questions and Answers (MCQs)** - Arshad Iqbal

*Grade 10 Chemistry Multiple Choice Questions and Answers (MCQs): Quiz & Practice Tests with Answer Key PDF (10th Grade Chemistry Question Bank & Quick Study Guide)* includes revision guide for problem solving with 850 solved MCQs. *Grade 10 Chemistry MCQ book with answers PDF* covers basic concepts, analytical and practical assessment tests. *Grade 10 Chemistry MCQ PDF book* helps to practice test questions from exam prep notes. *Grade 10 chemistry quick study guide* includes revision guide with 850 verbal, quantitative, and analytical past papers, solved MCQs. *Grade 10 Chemistry Multiple Choice Questions and Answers (MCQs) PDF download*, a book to practice quiz questions and answers on chapters: Acids, bases and salts, biochemistry, characteristics of acids, bases and salts, chemical equilibrium, chemical industries, environmental chemistry, atmosphere, water, hydrocarbons, and organic chemistry tests for school and college revision guide. *Grade 10 Chemistry Quiz Questions and Answers PDF download* with free sample book covers beginner's questions, textbook's study notes to

practice tests. 10th Class Chemistry MCQs book includes high school question papers to review practice tests for exams. Grade 10 chemistry book PDF, a quick study guide with textbook chapters' tests for NEET/MCAT/GRE/GMAT/SAT/ACT competitive exam. 10th Grade Chemistry Question Bank PDF covers problem solving exam tests from chemistry textbook and practical book's chapters as: Chapter 1: Acids, Bases and Salts MCQs Chapter 2: Biochemistry MCQs Chapter 3: Characteristics of Acids Bases and Salts MCQs Chapter 4: Chemical Equilibrium MCQs Chapter 5: Chemical Industries MCQs Chapter 6: Environmental Chemistry I Atmosphere MCQs Chapter 7: Environmental Chemistry II Water MCQs Chapter 8: Hydrocarbons MCQs Chapter 9: Organic Chemistry MCQs Chapter 10: Atmosphere MCQs Practice Acids, Bases and Salts MCQ book PDF with answers, test 1 to solve MCQ questions bank: acids and bases concepts, Bronsted concept of acids and bases, pH scale, and salts. Practice Biochemistry MCQ book PDF with answers, test 2 to solve MCQ questions bank: Alcohols, carbohydrates, DNA structure, glucose, importance of vitamin, lipids, maltose, monosaccharide, nucleic acids, proteins, RNA, types of vitamin, vitamin and characteristics, vitamin and functions, vitamin and mineral, vitamin deficiency, vitamin facts, vitamins, vitamins and supplements. Practice Characteristics of Acids, Bases and Salts MCQ book PDF with answers, test 3 to solve MCQ questions bank: Concepts of acids and bases, pH measurements, salts, and self-ionization of water pH scale. Practice Chemical Equilibrium MCQ book PDF with answers, test 4 to solve MCQ questions bank: Dynamic equilibrium, equilibrium constant and units, importance of equilibrium constant, law of mass action and derivation of expression, and reversible reactions. Practice Chemical Industries MCQ book PDF with answers, test 5 to solve MCQ questions bank: Basic metallurgical operations, petroleum, Solvay process, urea and composition. Practice Environmental Chemistry I Atmosphere MCQ book PDF with answers, test 6 to solve MCQ questions bank: Composition of atmosphere, layers of atmosphere, stratosphere, troposphere, ionosphere, air pollution, environmental issues, environmental pollution, global warming, meteorology, and ozone depletion. Practice Environmental Chemistry II Water MCQ book PDF with answers, test 7 to solve MCQ questions bank: Soft and hard water, types of hardness of water, water and solvent, disadvantages of hard water, methods of removing hardness, properties of water, water pollution, and waterborne diseases. Practice Hydrocarbons MCQ book PDF with answers, test 8 to solve MCQ questions bank: alkanes, alkenes, and alkynes. Practice Organic Chemistry MCQ book PDF with answers, test 9 to solve MCQ questions bank: Organic compounds, alcohols, sources of organic compounds, classification of organic compounds, uses of organic compounds, alkane and alkyl radicals, and functional groups. Practice Atmosphere MCQ book PDF with answers, test 10 to solve MCQ questions bank: Atmosphere composition, air pollutants, climatology, global warming, meteorology, ozone depletion, and troposphere.

*Well Completion Design* - Jonathan Bellarby 2009-04-13

Completions are the conduit between hydrocarbon reservoirs and surface facilities. They are a fundamental part of any hydrocarbon field development project. They have to be designed for safely maximising the hydrocarbon recovery from the well and may have to last for many years under ever changing conditions. Issues include: connection with the reservoir rock, avoiding sand production, selecting the correct interval, pumps and other forms of artificial lift, safety and integrity, equipment selection and installation and future well interventions. \* Course book based on course well completion design by TRACS International \* Unique in its field: Coverage of offshore, subsea, and landbased completions in all of the major hydrocarbon basins of the world. \* Full colour

**Offshore Petroleum Drilling and Production** - Sukumar Laik 2018-02-01

The key focus of the book is on engineering aspects of the subject field Updated, comprehensive text covering offshore drilling, production and field development and offers complete coverage of offshore oil and gas operations. Also, key maintenance issues like pigging, corrosion, subsidence are discussed.

**Khanna's Objective Type Questions & Answers in Chemical Engineering** - OP Gupta

This book is meant for diploma students of chemical engineering and petroleum engineering both for their academic programmes as well as for competitive examination. This book Contains 18 chapters covering the entire syllabus of diploma course in chemical engineering and petrochemical engineering. This book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and

interviews faced by chemical engineering and petrochemical engineering diploma students of the country. Since branch related subjects of petrochemical engineering are same as that of chemical engineering diploma students, so this book will be equally useful for diploma in petrochemical engineering students.

**Environmental Control in Petroleum Engineering** - Srajan Tripathi 2015-08-01

Environmental Control in Petroleum Engineering is essential for industry personnel with little or no training in environmental issues as well as petroleum engineering students. The petroleum industry must minimize the environmental impact of its various operations. This extensively researched book assembles a tremendous amount of practical information to help reduce and control the environmental consequences of producing and processing petroleum and natural gas. The best way to treat pollution is not to create it in the first place. This book shows you how to plan and manage production activities to minimize and even eliminate some environmental problems without severely disrupting operations. It focuses on ways to treat drilling and production wastes to reduce toxicity and/or volume before their ultimate disposal. Other topics include United States federal environmental regulations, sensitive habitats, major U.S. chemical waste exchanges, and offshore releases of oil.

**Elements of Petroleum Refinery Engineering** - O.P. Gupta 2015

This book is targeted to benefit the diploma in engineering students. Degree in engineering students (B.Tech-Chemical Engineering, Petroleum Engineering, Petrochemical Engineering, Aeronautical Engg., AMIE, AMIICHE, students etc. M. Tech students of various disciplines pursuing courses on petroleum refining. Faculty members/ teaching staff of engineering college/IIT's/NIT's etc. Practicing petroleum engineers/consultants/refiners in various private sector/public sector undertakings, state/central government departments, NGO's etc. Students of foreign universities of developing countries pursuing diploma/degree/postgraduate courses in various engineering disciplines having a paper in petroleum refinery engineering.

Introduction to e-Business - Colin Combe 2012-07-26

An Introduction to e-Business provides the contemporary knowledge of the key issues affecting the modern e-business environment and links theory and practice of management strategies relating to e-business. This book brings together the most cogent themes for an introduction to e-business and constitutes a valuable contribution to formalising common themes for teaching the subject in higher education. It brings together theoretical perspectives based on academic research and the application of e-business strategies. These concepts are further explored in the six case studies that follow the set chapters. This new textbook integrates the main themes to provide a complete picture of the key elements relevant to an introductory text in e-business. To fully appreciate the e-business environment it is necessary to understand the links between the different disciplines that come together to form

Statistics and Probability for Engineering Applications - William DeCoursey 2003-05-14

Statistics and Probability for Engineering Applications provides a complete discussion of all the major topics typically covered in a college engineering statistics course. This textbook minimizes the derivations and mathematical theory, focusing instead on the information and techniques most needed and used in engineering applications. It is filled with practical techniques directly applicable on the job. Written by an experienced industry engineer and statistics professor, this book makes learning statistical methods easier for today's student. This book can be read sequentially like a normal textbook, but it is designed to be used as a handbook, pointing the reader to the topics and sections pertinent to a particular type of statistical problem. Each new concept is clearly and briefly described, whenever possible by relating it to previous topics. Then the student is given carefully chosen examples to deepen understanding of the basic ideas and how they are applied in engineering. The examples and case studies are taken from real-world engineering problems and use real data. A number of practice problems are provided for each section, with answers in the back for selected problems. This book will appeal to engineers in the entire engineering spectrum (electronics/electrical, mechanical, chemical, and civil engineering); engineering students and students taking computer science/computer engineering graduate courses; scientists needing to use applied statistical methods; and engineering technicians and technologists. \* Filled with practical techniques directly applicable on the job \* Contains hundreds of solved problems and case studies, using real data sets \* Avoids unnecessary theory

**Engineering Statistics, 5th Edition** - Douglas C. Montgomery  
2010-12-20

Montgomery, Runger, and Hubele provide modern coverage of engineering statistics, focusing on how statistical tools are integrated into the engineering problem-solving process. All major aspects of engineering statistics are covered, including descriptive statistics, probability and probability distributions, statistical test and confidence intervals for one and two samples, building regression models, designing and analyzing engineering experiments, and statistical process control. Developed with sponsorship from the National Science Foundation, this revision incorporates many insights from the authors teaching experience along with feedback from numerous adopters of previous editions.

Petroleum Engineering Handbook - Larry W. Lake 2006

Volume I, General Engineering, includes chapters on mathematics, fluid properties (fluid sampling techniques; properties and correlations of oil, gas, condensate, and water; hydrocarbon phase behavior and phase diagrams for hydrocarbon systems; the phasebehavior of water/hydrocarbon systems; and the properties of waxes, asphaltenes, and crude oil emulsions), rock properties (bulk rock properties, permeability, relative permeability, and capillary pressure), the economic and regulatory environment, and the role of fossil energy in the 21st century energy mix (from SPE Website).

**Traps and Seals: Structural** - Norman H. Foster 1988

Petroleum Refinery Engineering - Wilbur Lundine Nelson 1958

**Analytical Methods in Petroleum Upstream Applications** - Cesar Ovalles 2015-02-12

Effective measurement of the composition and properties of petroleum is essential for its exploration, production, and refining; however, new technologies and methodologies are not adequately documented in much of the current literature. Analytical Methods in Petroleum Upstream Applications explores advances in the analytical methods and instrument The McGraw-Hill 36-Hour Course: Operations Management - Linda Brennan 2010-09-17

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!

**Nitrogen oxides (NOx) why and how they are controlled** -

**Engineering Economic Analysis** - Donald G. Newnan 2018-02-05  
Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation and environmental stewardship as well as a new chapter on project management.