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KEY=M - ARELY BATES

Introduction to Chemical Engineering Thermodynamics

McGraw-Hill Science Engineering Presents comprehensive coverage of the subject of thermodynamics from a chemical engineering viewpoint. This text provides an exposition of the principles of thermodynamics and details their application to chemical processes. It contains problems, examples, and illustrations to help students understand

complex concepts.

Dietary reference values for energy

The Stationery Office Dietary reference values (DRVs) for energy are based on estimating the total energy expenditure (TEE) for groups of people. TEE provides a measure of the energy requirement at energy balance i.e. when energy intake matches energy expenditure. The methodology to measure TEE - the doubly labelled water (DLW) method - has advanced and as a result, the evidence base on TEE in a wide variety of population groups has expanded considerably. With the high levels of overweight and obesity currently seen in the UK and the wealth of new data now available, it was considered timely for the Scientific Advisory Committee on Nutrition (SACN) to review recommendations for the UK population. This report details the evidence and approaches SACN have considered in order to update the DRVs for energy. SACN chose a prescriptive approach to estimating energy reference values; suitable reference body weight ranges consistent with long-term good health were used to calculate energy reference values. Thus, basal metabolic rate (BMR) values were predicted using healthy reference body weights. Using this approach, if overweight groups consume the amount of energy recommended for healthy weight groups, they are likely to lose weight, whereas underweight sections of the population should gain weight towards the healthy body weight range. SACN has derived new energy reference values. For most population groups, except for infants and young children, the values have increased. DRVs should be used to assess the energy requirements for large groups of people and populations, but should not be applied to individuals due to the large variation in physical activity and energy expenditure observed between people.

Challenges to Tackling Antimicrobial Resistance Economic and Policy Responses

Economic and Policy Responses

OECD Publishing Antimicrobial resistance (AMR) is a biological mechanism whereby a microorganism evolves over time to develop the ability to become resistant to antimicrobial therapies such as antibiotics. The drivers of and potential solutions to AMR are complex, often spanning multiple sectors. The internationally recognized response to AMR advocates for a 'One Health' approach, which requires policies to be developed and implemented across human, animal, and environmental health.

The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder

American Psychiatric Pub Alcohol use disorder (AUD) is a major public health problem in the United States. The estimated 12-month and lifetime prevalence values for AUD are 13.9% and 29.1%, respectively, with approximately half of individuals with lifetime AUD having a severe disorder. AUD and its sequelae also account for significant excess mortality and cost the United States more than \$200 billion annually. Despite its high prevalence and numerous negative consequences, AUD remains undertreated. In fact, fewer than 1 in 10 individuals in the United States with a 12-month diagnosis of AUD receive any treatment. Nevertheless, effective and evidence-based interventions are available, and treatment is associated with reductions in the risk of relapse and AUD-associated mortality. The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder seeks to reduce these substantial psychosocial and public health consequences of AUD for millions of affected individuals. The guideline focuses specifically on evidence-based pharmacological treatments for AUD in outpatient settings and includes additional information on assessment and treatment planning, which are an integral part of using pharmacotherapy to treat AUD. In addition to reviewing the available evidence on the use of AUD pharmacotherapy, the guideline offers clear, concise, and actionable recommendation statements, each of which is

given a rating that reflects the level of confidence that potential benefits of an intervention outweigh potential harms. The guideline provides guidance on implementing these recommendations into clinical practice, with the goal of improving quality of care and treatment outcomes of AUD.

Theoretical Neuroscience

Computational and Mathematical Modeling of Neural Systems

MIT Press Theoretical neuroscience provides a quantitative basis for describing what nervous systems do, determining how they function, and uncovering the general principles by which they operate. This text introduces the basic mathematical and computational methods of theoretical neuroscience and presents applications in a variety of areas including vision, sensory-motor integration, development, learning, and memory. The book is divided into three parts. Part I discusses the relationship between sensory stimuli and neural responses, focusing on the representation of information by the spiking activity of neurons. Part II discusses the modeling of neurons and neural circuits on the basis of cellular and synaptic biophysics. Part III analyzes the role of plasticity in development and learning. An appendix covers the mathematical methods used, and exercises are available on the book's Web site.

The Psychic Life of Power

Theories in Subjection

Stanford University Press Judith Butler's new book considers the way in which psychic life is generated by the social operation of power, and how that social operation of power is concealed and fortified by the psyche that it produces. It combines social theory, philosophy, and psychoanalysis in novel ways, and offers a more sustained analysis of the theory of subject formation implicit in her previous books.

The Anatomy of Fascism

Penguin UK Fascism was the major political invention of the twentieth century and the source of much of its pain. How can we try to comprehend its allure and its horror? Is it a philosophy, a movement, an aesthetic experience? What makes states and nations become fascist? Acclaimed historian Robert O. Paxton shows that in order to understand fascism we must look at it in action - at what it did, as much as what it said it was about. He explores its falsehoods and common threads; the social and political base that allowed it to prosper; its leaders and internal struggles; how it manifested itself differently in each country - France, Britain, the low countries, Eastern Europe, even Latin America as well as Italy and Germany; how fascists viewed the Holocaust; and, finally, whether fascism is still possible in today's world. Offering a bold new interpretation of the fascist phenomenon, this groundbreaking book will overturn our understanding of twentieth-century history.

American Psychiatric Association Practice Guidelines

American Psychiatric Publishing The aim of the American Psychiatric Association Practice Guideline series is to improve patient care. Guidelines provide a comprehensive synthesis of all available information relevant to the clinical topic. Practice guidelines can be vehicles for educating psychiatrists, other medical and mental health professionals, and the general public about appropriate and inappropriate treatments. The series also will identify those areas in which critical information is lacking and in which research could be expected to improve clinical decisions. The Practice Guidelines are also designed to help those charged with overseeing the utilization and reimbursement of psychiatric services to develop more scientifically based and clinically sensitive criteria.

Guide for the Care and Use of Laboratory Animals

Eighth Edition

National Academies Press A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

Oxford Textbook of Palliative Medicine

Oxford University Press, USA The definitive Oxford Textbook of Palliative Medicine, now in its fifth edition, has again been thoroughly updated to offer a truly global perspective in this field of extraordinary talent and thoughtfulness. Updated to include new sections devoted to assessment tools, care of patients with cancer, and the management of issues in the very young and the very old, this leading textbook covers all the new and emerging topics since its

original publication in 1993. In addition, the multi-disciplinary nature of palliative care is emphasized throughout the book, covering areas from ethical and communication issues, the treatment of symptoms and the management of pain. The printed book is complemented with 12 months free access to the online version, which includes expanded chapter information and links from the references to primary research journal articles, ensuring this edition continues to be at the forefront of palliative medicine. This fifth edition of the Oxford Textbook of Palliative Medicine is dedicated to the memory of Professor Geoffrey Hanks, pioneer in the field of palliative medicine, and co-editor of the previous four editions. A truly comprehensive text, no hospital, hospice, palliative care service, or medical library should be without this essential source of information.

Nordic Nutrition Recommendations 2012

Integrating nutrition and physical activity

Nordic Council of Ministers The Nordic countries have collaborated in setting guidelines for dietary composition and recommended intakes of nutrients for several decades through the joint publication of the Nordic Nutrition Recommendations (NNR). This 5th edition, the NNR 2012, gives Dietary Reference Values (DRVs) for nutrients, and compared with earlier editions more emphasis has been put on evaluating the scientific evidence for the role of food and food patterns contributing to the prevention of the major diet-related chronic diseases. Recommendations on physical activity are included and interaction with physical activity has been taken into account for the individual nutrient recommendations wherever appropriate. A chapter on sustainable food consumption has been added. A Nordic perspective has been accounted for in setting the reference values. The NNR 2012 has used an evidence-based and transparent approach in assessing associations between nutrients and foods and certain health outcomes. Systematic reviews form the basis for the recommendations of several nutrients and topics, while a less stringent update has been done for others. The systematic reviews and individual chapters have been peer reviewed and the systematic reviews are published in the Food & Nutrition Research journal. The draft chapters were subject to an open public consultation. Recommendations have been changed only when sufficient scientific evidence has evolved since the 4th edition. The primary aim of the NNR 2012 is to present the scientific background of the recommendations and their application. A secondary aim is for the NNR 2012 to function as a basis for the national recommendations that are

adopted by the individual

Competing for Advantage

Cengage Learning Discover what it takes to create a sustainable competitive advantage in management and business today with this straightforward, powerful strategic management resource. *COMPETING FOR ADVANTAGE, 3E* focuses specifically on the issues most important to today's current or future practitioner. The book details the processes and tools you need to better understand and effectively contribute to your organization's strategic management process. Applied examples illustrate the latest thinking, practices, and research in strategic management today with in-depth discussions that examine critical topics such as innovation, professional service and crisis management. Access to relevant cases, a focus on the emerging issues such as ethics, and an emphasis on technology throughout prepare you for success in the fast-paced, ever-changing global economy in which today's firms compete. Take your students to a new level of understanding strategic management concepts and practices with *COMPETING FOR ADVANTAGE, 3E*. Straightforward, focused, and concise, this edition presents the latest strategic management research and practices, now with more in-depth discussions of the most current strategic topics in business today. Detailed real-life examples and instant access to relevant cases keep the book focused on issues most important to current or future practitioners. Crafted to meet the special needs to MBA and executive MBA students, the book details the processes and tools used in strategic analysis to create a sustainable competitive advantage. Full chapters on strategic leadership, corporate governance, and a new chapter on real options examine issues most critical in today's business environment. Comprehensive new instructor support with electric solutions help you effectively prepare a powerful course that addressed traditional and relevant emerging topics that are shaping strategic management today. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Investment Governance for Fiduciaries

CFA Institute Research Foundation Governance is a word that is increasingly heard and read in modern times, be it corporate governance, global governance, or investment governance. Investment governance, the central concern of this modest volume, refers to the effective employment of resources—people, policies, processes, and systems—by an

individual or governing body (the fiduciary or agent) seeking to fulfil their fiduciary duty to a principal (or beneficiary) in addressing an underlying investment challenge. Effective investment governance is an enabler of good stewardship, and for this reason it should, in our view, be of interest to all fiduciaries, no matter the size of the pool of assets or the nature of the beneficiaries. To emphasize the importance of effective investment governance and to demonstrate its flexibility across organization type, we consider our investment governance process within three contexts: defined contribution (DC) plans, defined benefit (DB) plans, and endowments and foundations (E&Fs). Since the financial crisis of 2007-2008, the financial sector's place in the economy and its methods and ethics have (rightly, in many cases) been under scrutiny. Coupled with this theme, the task of investment governance is of increasing importance due to the sheer weight of money, the retirement savings gap, demographic trends, regulation and activism, and rising standards of behavior based on higher expectations from those fiduciaries serve. These trends are at the same time related and self-reinforcing. Having explored the why of investment governance, we dedicate the remainder of the book to the question of how to bring it to bear as an essential component of good fiduciary practice. At this point, the reader might expect investment professionals to launch into a discussion about an investment process focused on the best way to capture returns. We resist this temptation. Instead, we contend that achieving outcomes on behalf of beneficiaries is as much about managing risks as it is about capturing returns—and we mean “risks” broadly construed, not just fluctuations in asset values.

We the Media

Grassroots Journalism By the People, For the People

"O'Reilly Media, Inc." "We the Media, has become something of a bible for those who believe the online medium will change journalism for the better." -Financial Times Big Media has lost its monopoly on the news, thanks to the Internet. Now that it's possible to publish in real time to a worldwide audience, a new breed of grassroots journalists are taking the news into their own hands. Armed with laptops, cell phones, and digital cameras, these readers-turned-reporters are transforming the news from a lecture into a conversation. In *We the Media*, nationally acclaimed newspaper columnist and blogger Dan Gillmor tells the story of this emerging phenomenon and sheds light on this deep shift in how we make--and consume--the news. Gillmor shows how anyone can produce the news, using personal

blogs, Internet chat groups, email, and a host of other tools. He sends a wake-up call tonewsmakers-politicians, business executives, celebrities-and the marketers and PR flacks who promote them. He explains how to successfully play by the rules of this new era and shift from "control" to "engagement." And he makes a strong case to his fell journalists that, in the face of a plethora of Internet-fueled news vehicles, they must change or become irrelevant. Journalism in the 21st century will be fundamentally different from the Big Media oligarchy that prevails today. We the Media casts light on the future of journalism, and invites us all to be part of it. Dan Gillmor is founder of Grassroots Media Inc., a project aimed at enabling grassroots journalism and expanding its reach. The company's first launch is Bayosphere.com, a site "of, by, and for the San Francisco Bay Area." Dan Gillmor is the founder of the Center for Citizen Media, a project to enable and expand reach of grassroots media. From 1994-2004, Gillmor was a columnist at the San Jose Mercury News, Silicon Valley's daily newspaper, and wrote a weblog for SiliconValley.com. He joined the Mercury News after six years with the Detroit Free Press. Before that, he was with the Kansas City Times and several newspapers in Vermont. He has won or shared in several regional and national journalism awards. Before becoming a journalist he played music professionally for seven years.

Rewire Your Brain

Think Your Way to a Better Life

John Wiley & Sons How to rewire your brain to improve virtually every aspect of your life-based on the latest research in neuroscience and psychology on neuroplasticity and evidence-based practices Not long ago, it was thought that the brain you were born with was the brain you would die with, and that the brain cells you had at birth were the most you would ever possess. Your brain was thought to be "hardwired" to function in predetermined ways. It turns out that's not true. Your brain is not hardwired, it's "softwired" by experience. This book shows you how you can rewire parts of the brain to feel more positive about your life, remain calm during stressful times, and improve your social relationships. Written by a leader in the field of Brain-Based Therapy, it teaches you how to activate the parts of your brain that have been underactivated and calm down those areas that have been hyperactivated so that you feel positive about your life and remain calm during stressful times. You will also learn to improve your memory, boost your mood, have better relationships, and get a good night sleep. Reveals how cutting-edge developments in neuroscience,

and evidence-based practices can be used to improve your everyday life Other titles by Dr. Arden include: Brain-Based Therapy-Adult, Brain-Based Therapy-Child, Improving Your Memory For Dummies and Heal Your Anxiety Workbook Dr. Arden is a leader in integrating the new developments in neuroscience with psychotherapy and Director of Training in Mental Health for Kaiser Permanente for the Northern California Region Explaining exciting new developments in neuroscience and their applications to daily living, Rewire Your Brain will guide you through the process of changing your brain so you can change your life and be free of self-imposed limitations.

Girls' Education in the Twenty-first Century

World Bank Publications Persuasive evidence demonstrates that gender equality in education is central to economic development. Despite more than two decades of accumulated knowledge and evidence of what works in improving gender equality, progress on the ground remains slow and uneven across countries. What is missing? Given that education is a critical path to accelerate progress toward gender equality and the empowerment of women, what is holding us back? These questions were discussed at the global symposium Education: A Critical Path to Gender Equality and Women's Empowerment, which was sponsored by the World Bank in October 2007. Girls' Education in the 21st Century is based on background papers developed for the symposium. The book's chapters reflect the current state of knowledge on education from a gender perspective and highlight the importance of, and challenges to, female education, as well as the interdependence of education and development objectives. The last chapter presents five strategic directions for advancing gender equality in education and their implications for World Bank operations. Girls' Education in the 21st Century will be of particular interest to researchers, educators, school administrators, and policy makers at the global, national, regional, and municipal levels.

Comparative Quantification of Health Risks: Sexual and reproductive health

World Health Organization Accompanying CD-ROM contains annex tables detailing population attributable fractions, mortality, and disease burden for selected major risk factors.

Digital Contact Tracing for Pandemic Response

Ethics and Governance Guidance

Johns Hopkins University Press Contributors: Joseph Ali, JD; Anne Barnhill, PhD; Anita Cicero, JD; Katelyn Esmonde, PhD; Amelia Hood, MA; Brian Hutler, PhD, JD; Jeffrey P. Kahn, PhD, MPH; Alan Regenber, MBE; Crystal Watson, DrPH, MPH; Matthew Watson; Robert Califf, MD, MACC; Ruth Faden, PhD, MPH; Divya Hosangadi, MSPH; Nancy Kass, ScD; Alain Labrique, PhD, MHS, MS; Deven McGraw, JD, MPH, LLM; Michelle Mello, JD, PhD; Michael Parker, BEd (Hons), MA, PhD; Stephen Ruckman, JD, MSc, MAR; Lainie Rutkow, JD, MPH, PhD; Josh Sharfstein, MD; Jeremy Sugarman, MD, MPH, MA; Eric Toner, MD; Mar Trotochaud, MSPH; Effy Vayena, PhD; Tal Zarsky, JSD, LLM, LLB

Key Concepts in Public Archaeology

UCL Press This book provides a broad overview of the key concepts in public archaeology, a research field that examines the relationship between archaeology and the public, in both theoretical and practical terms. While based on the long-standing programme of undergraduate and graduate teaching in public archaeology at UCL's renowned Institute of Archaeology, the book also takes into account the growth of scholarship from around the world and seeks to clarify what exactly 'public archaeology' is by promoting an inclusive, socially and politically engaged vision of the discipline. Written for students and practitioners, the individual chapters provide textbook-level introductions to the themes, theories and controversies that connect archaeology to wider society, from the trade in illicit antiquities to the use of digital media in public engagement, and point readers to the most relevant case studies and learning resources to aid their further study. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at <https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher>

Praise for Key Concepts in Archaeology

'Littered throughout with concise and well-chosen case studies, Key Concepts in Public Archaeology could become essential reading for undergraduates and is a welcome reminder of where archaeology sits in UK society today.' **British Archaeology**

New Perspectives on Desistance

Theoretical and Empirical Developments

Springer This book brings together a collection of emergent research that moves the debate on desistance beyond a general consideration of individual and social structural influences. The authors examine empirical developments which have implications for policy surrounding resettlement and re-offending, but also for punishment practices. Presenting thought-provoking theoretical advances and critiques, the editors challenge and enrich traditional understandings of desistance. A wide range of chapters explore how some criminal justice interventions hinder the desistance process, but also how alternative approaches may be more helpful in promoting and supporting desistance. Thorough and diverse, this book will be of great interest to scholars of criminology and criminal justice, social policy, sociology and psychology, and of special interest to researchers and practitioners working with (ex-)offenders.

The Labor Market for Health Workers in Africa

A New Look at the Crisis

World Bank Publications Sub-Saharan Africa has only 12 percent of the global population, yet this region accounts for 50 percent of child deaths, more than 60 percent of maternal deaths, 85 percent of malaria cases, and close to 67 percent of people living with HIV. Sub-Saharan Africa, however, has the lowest number of health workers in the world—significantly fewer than in South Asia, which is at a comparable level of economic development. *The Labor Market for Health Workers in Africa* uses the analytical tools of labor markets to examine the human resource crisis in health from an economic perspective. Africa's labor markets are complex, with resources coming from governments, donors, the private sector, and households. Low numbers of health workers and poor understanding of labor market dynamics are major impediments to improving health service delivery. Yet some countries in the region have developed innovative solutions with new approaches to creating a robust health workforce that can respond to the continent's health challenges. As Africa grows economically, the invaluable lessons in this book can help build tomorrow's African health

systems.

Seventy-nine Short Essays on Design

Chronicle Books *Seventy-nine Short Essays on Design* brings together the best of designer Michael Bierut's critical writing—serious or humorous, flattering or biting, but always on the mark. Bierut is widely considered the finest observer on design writing today. Covering topics as diverse as Twyla Tharp and ITC Garamond, Bierut's intelligent and accessible texts pull design culture into crisp focus. He touches on classics, like Massimo Vignelli and the cover of *The Catcher in the Rye*, as well as newcomers, like McSweeney's *Quarterly Concern* and color-coded terrorism alert levels. Along the way Nabakov's *Pale Fire*; Eero Saarinen; the paper clip; *Celebration, Florida*; the planet Saturn; the ClearRx pill bottle; and paper architecture all fall under his pen. His experience as a design practitioner informs his writing and gives it truth. In *Seventy-nine Short Essays on Design*, designers and nondesigners alike can share and revel in his insights.

Caliban and the Witch

Women, the Body and Primitive Accumulation

Penguin UK 'A groundbreaking work . . . Federici has become a crucial figure for . . . a new generation of feminists' Rachel Kushner, author of *The Mars Room* A cult classic since its publication in the early years of this century, *Caliban and the Witch* is Silvia Federici's history of the body in the transition to capitalism. Moving from the peasant revolts of the late Middle Ages through the European witch-hunts, the rise of scientific rationalism and the colonisation of the Americas, it gives a panoramic account of the often horrific violence with which the unruly human material of pre-capitalist societies was transformed into a set of predictable and controllable mechanisms. It is a study of indigenous traditions crushed, of the enclosure of women's reproductive powers within the nuclear family, and of how our modern world was forged in blood. 'Rewarding . . . allows us to better understand the intimate relationship between modern patriarchy, the rise of the nation state and the transition from feudalism to capitalism' *Guardian*

Twenty Lectures on Algorithmic Game Theory

Cambridge University Press Computer science and economics have engaged in a lively interaction over the past fifteen years, resulting in the new field of algorithmic game theory. Many problems that are central to modern computer science, ranging from resource allocation in large networks to online advertising, involve interactions between multiple self-interested parties. Economics and game theory offer a host of useful models and definitions to reason about such problems. The flow of ideas also travels in the other direction, and concepts from computer science are increasingly important in economics. This book grew out of the author's Stanford University course on algorithmic game theory, and aims to give students and other newcomers a quick and accessible introduction to many of the most important concepts in the field. The book also includes case studies on online advertising, wireless spectrum auctions, kidney exchange, and network management.

World Report on Violence and Health

This report is part of WHO's response to the 49th World Health Assembly held in 1996 which adopted a resolution declaring violence a major and growing public health problem across the world. It is aimed largely at researchers and practitioners including health care workers, social workers, educators and law enforcement officials.

Bridging Occupational, Organizational and Public Health

A Transdisciplinary Approach

Springer Science & Business Media In our complex, fast changing society, health is strongly influenced by the continuously changing interactions between organisations and their employees. Three major fields contribute to health-oriented improvements of these interactions: occupational health, organizational health and public health. As currently only partial links exist amongst these fields, the book aims to explore potential synergies more systematically. Considering the high mental and social demands in a service and knowledge sector economy, the first part of the book focuses on work-related psychosocial factors. As a large proportion of inequalities in health in

developed countries can be explained by inequalities in working conditions, those psychosocial factors with a particularly high public health impact are highlighted. As addressing these psychosocial factors requires to involve the organization as the key change agent, the second part covers approaches to improve public health through organizational level health interventions. The last section takes a look into the future of occupational, organizational and public health: what are the future challenges regarding occupational health and how can they be tackled within and beyond the organizational level. Overall, this integrating book will help to broaden the evidence-base, legitimacy and efficacy of occupational- and organizational-level health interventions and thus increase their public health impact.

Practice Guideline for the Treatment of Patients with Major Depressive Disorder

Amer Psychiatric Pub Incorporated This manual provides the American Psychiatric Association's guidelines for the treatment of patients with major depressive disorder. It is divided into three sections, covering treatment recommendations; background information and review of available evidence; and future research needs. It seeks to summarize the specific forms of somatic, psychotherapeutic, psychosocial and educational treatments that have been developed to deal with major depressive disorder.

Water Resource Systems Planning and Management An Introduction to Methods, Models, and Applications

Springer This book is open access under a CC BY-NC 4.0 license. This revised, updated textbook presents a systems approach to the planning, management, and operation of water resources infrastructure in the environment. Previously published in 2005 by UNESCO and Deltares (Delft Hydraulics at the time), this new edition, written again with contributions from Jery R. Stedinger, Jozef P. M. Dijkman, and Monique T. Villars, is aimed equally at students and professionals. It introduces readers to the concept of viewing issues involving water resources as a system of multiple interacting components and scales. It offers guidelines for initiating and carrying out water resource system planning

and management projects. It introduces alternative optimization, simulation, and statistical methods useful for project identification, design, siting, operation and evaluation and for studying post-planning issues. The authors cover both basin-wide and urban water issues and present ways of identifying and evaluating alternatives for addressing multiple-purpose and multi-objective water quantity and quality management challenges. Reinforced with cases studies, exercises, and media supplements throughout, the text is ideal for upper-level undergraduate and graduate courses in water resource planning and management as well as for practicing planners and engineers in the field.

Treatment of Chronic Pain by Interventional Approaches the AMERICAN ACADEMY of PAIN MEDICINE Textbook on Patient Management

Springer From reviews of Deer, eds., *Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches*: "Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches is a major textbook... [I]t should be a part of all departmental libraries and in the reference collection of pain fellows and pain practitioners. In fact, this text could be to pain as Miller is to general anesthesia." *Journal of Neurosurgical Anesthesiology* Edited by master clinician-experts appointed by the American Academy of Pain Medicine, this is a soft cover version of the Interventional sections of the acclaimed Deer, eds., *Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches*. It is intended as a primary reference for busy clinicians who seek up-to-date and authoritative information about interventional approaches to treating chronic pain. State-of-the-art coverage of full range of techniques: neural blockades, neurolysis blocks, and neurostimulation Review of clinically relevant anatomy and physiology "Key Points" preview contents of each chapter

Physics of Light and Optics (Black & White)

Lulu.com

Transportation Decision Making

Principles of Project Evaluation and Programming

John Wiley & Sons This pioneering text provides a holistic approach to decisionmaking in transportation project development and programming, which can help transportation professionals to optimize their investment choices. The authors present a proven set of methodologies for evaluating transportation projects that ensures that all costs and impacts are taken into consideration. The text's logical organization gets readers started with a solid foundation in basic principles and then progressively builds on that foundation. Topics covered include: Developing performance measures for evaluation, estimating travel demand, and costing transportation projects Performing an economic efficiency evaluation that accounts for such factors as travel time, safety, and vehicle operating costs Evaluating a project's impact on economic development and land use as well as its impact on society and culture Assessing a project's environmental impact, including air quality, noise, ecology, water resources, and aesthetics Evaluating alternative projects on the basis of multiple performance criteria Programming transportation investments so that resources can be optimally allocated to meet facility-specific and system-wide goals Each chapter begins with basic definitions and concepts followed by a methodology for impact assessment. Relevant legislation is discussed and available software for performing evaluations is presented. At the end of each chapter, readers are provided resources for detailed investigation of particular topics. These include Internet sites and publications of international and domestic agencies and research institutions. The authors also provide a companion Web site that offers updates, data for analysis, and case histories of project evaluation and decisionmaking. Given that billions of dollars are spent each year on transportation systems in the United States alone, and that there is a need for thorough and rational evaluation and decision making for cost-effective system preservation and improvement, this text should be on the desks of all transportation planners, engineers, and educators. With exercises in every chapter, this text is an ideal coursebook for the subject of transportation systems analysis and evaluation.

The Properties of Gases and Liquids

McGraw Hill Professional Must-have reference for processes involving liquids, gases, and mixtures Reap the time-saving, mistake-avoiding benefits enjoyed by thousands of chemical and process design engineers, research scientists, and educators. Properties of Gases and Liquids, Fifth Edition, is an all-inclusive, critical survey of the most reliable estimating methods in use today --now completely rewritten and reorganized by Bruce Poling, John Prausnitz, and John O'Connell to reflect every late-breaking development. You get on-the-spot information for estimating both physical and thermodynamic properties in the absence of experimental data with this property data bank of 600+ compound constants. Bridge the gap between theory and practice with this trusted, irreplaceable, and expert-authored expert guide -- the only book that includes a critical analysis of existing methods as well as hands-on practical recommendations. Areas covered include pure component constants; thermodynamic properties of ideal gases, pure components and mixtures; pressure-volume-temperature relationships; vapor pressures and enthalpies of vaporization of pure fluids; fluid phase equilibria in multicomponent systems; viscosity; thermal conductivity; diffusion coefficients; and surface tension.

Orthogeriatrics

Springer Nature This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients and how to develop clinical systems that do

so reliably.

Globalization of Management Education

Changing International Structures, Adaptive Strategies, and the Impact on Institutions : Report of the AACSB International Globalization of Management Education Task Force

Emerald Group Publishing Rarely, if ever, have business schools experienced change as far-reaching and powerful as during the current wave of globalization. Understanding these changes, and their implications, was the charge given to an AACSB Task Force on Globalization of Management Education. In this comprehensive report, the Task Force explores broad globalization trends in management education that command the attention of any individual or institution striving to navigate in today's environment. Then, by exploring individual business school strategies, it provides valuable insights into how business schools can and should respond. The report aims to encourage and guide business schools to embrace globalization in ways that are mission-appropriate, manageable given available resources, and meaningful to the stakeholders being served. For organizations serving business schools, it will be a catalyst for action that elevates and improves business schools' capabilities. Readers will be left with the conviction that great opportunities exist for business schools to move from keeping pace with the sweeping changes of globalization, to leading the way.

Electronic Democracy

Verlag Barbara Budrich The timely book takes stock of the state of the art and future of electronic democracy, exploring the history and potential of e-democracy in global perspective. Analysing the digital divide, the role of the internet as a tool for political mobilisation, internet Voting and Voting Advice Applications, and other phenomena, this volume critically engages with the hope for more transparency and political participation through e-democracy.

Global Tuberculosis Report 2016

This global tuberculosis report is the first to be produced in the era of the SDGs and the End TB Strategy. It provides an assessment of the TB epidemic and progress in TB diagnosis, treatment and prevention efforts, as well as an overview of TB-specific financing and research. It also discusses the broader agenda of universal health coverage, social protection and other SDGs that have an impact on health. Data were available for 202 countries and territories that account for over 99% of the world's population and TB cases.

The Web as History

Using Web Archives to Understand the Past and the Present

UCL Press The World Wide Web has now been in use for more than 20 years. From early browsers to today's principal source of information, entertainment and much else, the Web is an integral part of our daily lives, to the extent that some people believe 'if it's not online, it doesn't exist.' While this statement is not entirely true, it is becoming increasingly accurate, and reflects the Web's role as an indispensable treasure trove. It is curious, therefore, that historians and social scientists have thus far made little use of the Web to investigate historical patterns of culture and society, despite making good use of letters, novels, newspapers, radio and television programmes, and other pre-

digital artefacts. This volume argues that now is the time to ask what we have learnt from the Web so far. The 12 chapters explore this topic from a number of interdisciplinary angles - through histories of national web spaces and case studies of different government and media domains - as well as an introduction that provides an overview of this exciting new area of research.

Neuroscience

For over 25 years, Purves Neuroscience has been the most comprehensive and clearly written neuroscience textbook on the market. This level of excellence continues in the 6th Edition, with a balance of animal, human, and clinical studies that discuss the dynamic field of neuroscience from cellular signaling to cognitive function.

Conservation Biology for All

Oxford University Press Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

Sibawayhi's Principles

Arabic Grammar and Law in Early Islamic Thought

ISD LLC Michael G. Carter's Sibawayhi's Principles: Arabic Grammar and Law in Early Islamic Thought is a corrected version, with considerable Addenda, of his 1968 Oxford doctoral thesis, "Sibawayhi's Principles of Grammatical Analysis." It systematically argues that the science of Arabic grammar owes its origins to a special application of a set of methods and criteria developed independently to form the Islamic legal system, not to Greek or other foreign influence. These methods and criteria were then adapted to create a grammatical system brought to perfection by Sibawayhi in the late second/eighth century. It describes the intimate contacts between early jurists and scholars of language out of which the new science of grammar evolved, and makes detailed comparisons between the technical terms of law and grammar to show how the vocabulary of the law was applied to the speech of the Arabs. It also sheds light on Sibawayhi's method in producing his magisterial Kitab.