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Porous Silicon for Biomedical Applications Hélder A. Santos 2014-02-14 Porous silicon has a range of properties, making it ideal for drug delivery, cancer therapy, and tissue engineering. Porous Silicon for Biomedical Applications provides a comprehensive review of this emerging nanostructured and biodegradable biomaterial. Chapters in part one focus on the fundamentals and properties of porous silicon for biomedical applications, including thermal properties and stabilization, photochemical and nonthermal chemical modification, protein-modified porous silicon films, and biocompatibility of porous silicon. Part two discusses applications in bioimaging and sensing, and explores the optical properties of porous silicon materials; in vivo imaging assessment and radiolabelling of porous silicon; and nanoporous silicon biosensors for DNA sensing and for bacteria detection. Finally, part three highlights drug loading and characterization of porous silicon materials, tumor targeting and imaging, and porous silicon scaffolds for functional tissue engineering, stem cell growth, and osteodifferentiation. With its acclaimed editor and international team of expert contributors, Porous Silicon for Biomedical Applications is a technical resource and indispensable guide for all those involved in the research, development, and application of porous silicon and other biomaterials, while providing a comprehensive introduction for students and academics interested in the field. Comprehensive review of porous silicon focusing on the fabrication and properties of this emerging material Specifically discusses drug delivery and orthopedic applications of porous silicon Aimed at materials researchers and scientists in the biomaterials industry - particularly those concerned with drug delivery and orthopedics

The Youth Book David Barnard 1997 The object of this publication is to provide youth, as well as people and organizations involved and interested in youth-related issues, with a comprehensive source of information on South African young organizations and related relevant issues.

The Evolution of Economic Thought Stanley Brue 2012-05-30 In this scholarly and timely presentation of the history of economic thought, you'll see how new ideas, evidence, problems and values can be used to reconsider basic disputes and major contributions of the past. THE EVOLUTION OF ECONOMIC THOUGHT, 8e covers the history of economics, the philosophies that drive the economic way of thinking, the ideas of the great economic thinkers and their logical connections to the world. You'll see how Robert Solow's pioneering model can be used to discuss recent renewed emphasis on growth theory and technological change and will explore antitrust perspectives and game theory. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Student Solutions Manual for Options, Futures, and Other Derivatives, eBook [Global Edition] Hull 2021-02-05 This book contains solutions to the Practice Questions that appear at the ends of chapters in my book Options, Futures, and Other Derivatives, 9th edition, Global Edition. The questions have been designed to help readers study on their own and test their understanding of the material. They range from quick checks on whether a key point is understood to much more challenging applications of analytical techniques. Some prove or extend results presented in the book. To maximize the benefits from this book readers are urged to sketch out their own solutions to the questions before consulting mine.

Elementary Linear Algebra Howard Anton 2010-03-15 When it comes to learning linear algebra, engineers trust Anton. The tenth edition presents the key concepts and topics along with engaging and contemporary applications. The chapters have been reorganized to bring up some of the more abstract topics and make the material more accessible. More theoretical exercises at all levels of difficulty are integrated throughout the pages, including true/false questions that address conceptual ideas. New marginal notes provide a fuller explanation when new methods and complex logical steps are included in proofs. Small-scale applications also show how concepts are applied to help engineers develop their mathematical reasoning.

Law of Torts Bryan M E McMahon 2013-06-30 This is the eagerly awaited new edition of Law of Torts, the complete Irish tort law reference book. For this, the contents have been extensively revised since the last edition was published in 2000. Key developments are detailed and relevant recent case law is examined. This book is essential for both legal practitioners and people studying Irish law. Recent important legislation examined in the book includes: Criminal Law (Defence and the Dwelling) Act 2011, Civil Law (Miscellaneous Provisions) Act 2011, Defamation Act 2009, Consumer Protection Act 2007, Civil Liability and Courts Act 2004 and Personal Injuries Assessment Board Act 2003. Key developments and case law are examined in areas such as pure economic loss, limitations and purchase of financial products, vicarious liability for sexual assaults, damages, privacy, defamation, psychiatric injury, liability of public authorities, employers' liability, professional negligence, defective buildings and products and occupiers' liability. First published in 1980, Law of Torts has long been a cornerstone work in Irish law, indeed in the foreword to the first edition Judge Brian Walsh noted that the book represented a challenge to the 'unquestioned assumption that English text-books would satisfy all needs.' This new addition will only add to the book's long-established merit and value.

Performance Management Aguinis 2007

Academic Literacy Development Laura-Mihaela Muresan 2021-03-15 This edited book brings together an international cast of contributors to examine how academic literacy is learned and mastered in different tertiary education settings around the world. Bringing to the fore the value of qualitative enquiry through ethnographic methods, the authors illustrate in-depth descriptions of genre knowledge and academic literacy development in first and second language writing. All of the data presented in the chapters are original, as well as innovative in the field in terms of content and scope, and thought-provoking regarding theoretical, methodological and educational approaches. The contributions are also representative of both novice and advanced academic writing experiences, providing further insights into different stages of academic literacy development throughout the career-span of a researcher. Set against the backdrop of internationalisation trends in Higher Education and the pressure on multilingual academics to publish their research outcomes in English, this volume will be of use to academics and practitioners interested in the fields of Languages for Academic Purposes, Applied Linguistics, Literacy Skills, Genre Analysis and Acquisition and Language Education.

Victimology William G. Doerner 2014-02-06 Victimology, Seventh Edition, introduces students to the criminal justice system in the United States and its impact on crime victims. Authors William Doerner and Steven Lab provide a fresh look at the theoretical basis of victimology and then present the key facets of crime and its effects. They examine financial and social costs both to the individual and to the larger community. This new edition uses the theoretical foundation of victimology to establish a clear conceptual framework and reduce repetition. Emerging trends in the field receive greater emphasis in this edition, including non-adversarial resolutions that offer remediation for crime victims. Crimes like intimate-partner violence and victimization in work or school environments continue to take a toll, and the authors examine efforts to prevent these crimes as well as responses after an incident occurs. Doerner and Lab challenge students to rethink the current response to crime victims, and to develop improved approaches to this costly social issue. Online supplements are available for both professors and students. A new chapter on explaining victimization provides context and a backdrop for examining emerging trends A new chapter on hate crimes delves into the complexities faced by victims as they negotiate the reporting process The text is supplemented by learning tools including chapter-by-chapter learning objectives, key terms, illustrative figures and tables, and call-outs to related Internet sites

Trauma Kenneth L. Mattox 2000 Written by over 100 internationally known experts, Trauma, 4/e comprehensively covers all aspects of trauma and surgical critical care, including the integral phases: prehospital, emergency department, surgery and the operating room, intensive care, and rehabilitation. This edition retains its well-organized and easy-to-read format with practical advice regarding procedures and management strategies in modern day trauma care. Now features new chapter commentaries, written by the leading specialists.

Contemporary Perspectives on Religions in Africa and the African Diaspora Carolyn M. Jones Medine 2015-10-14 Contemporary Perspectives on Religions in Africa and the African Diaspora explores African derived religions in a globalized world. The volume focuses on the continent, on African identity in globalization, and on African religion in cultural change.

Engendering Climate Change Asha Hans 2021-02-25 This book focuses on the gendered experiences of environmental change across different geographies and social contexts in South Asia and on diverse strategies of adapting to climate variability. The book analyzes how changes in rainfall patterns, floods, droughts, heatwaves and landslides affect those who are directly dependent on the agrarian economy. It examines the socio-economic pressures, including the increase in women's work burdens both in production and reproduction on gender relations. It also examines coping mechanisms such as male migration and the formation of women's collectives which create space for agency and change in rigid social relations. The volume looks at perspectives from India, Pakistan, Bangladesh and Nepal to present the nuances of gender relations across borders along with similarities and differences across geographical, socio-cultural and policy contexts. This book will be of interest to researchers and students of sociology, development, gender, economics, environmental studies and South Asian studies. It will also be useful for policymakers, NGOs and think tanks working in the areas of gender, climate change and development.

Small Things Nthikeng Mohlele 2018-05 In this haunting tale of love and learning, the existential chaos of a life ravaged by circumstance takes on a rhythm of its own, one bound by loss and loneliness, but also an intelligent awareness of self. Sometimes melancholy, sometimes brutal, occasionally funny and infuriating, a journalist-comrade-lover caught up in the shade and shadow of politics and social injustice faces treachery and betrayal on every level. Set against the backdrop of a cityscape that taunts and tantalises, this is where love fails and passion wanes, "where suffering has no meaning", where an individual escapes death only to find himself confronted with choices wrought by remorse and retribution, by conscience and character. And yet, with all trauma, there is a distinct musicality to the lyrical unpacking that follows a string of small things ...

Creativity in Engineering David H. Cropley 2015-01-27 Creativity is like an iceberg - the resulting new idea, or novel solution is only 10% of the effort. The other 90% is the complex interplay of thinking skills and strategies, personal and motivational properties that activate these skills and strategies, and the social and organizational factors of the environment that influence the creative process. Creativity in Engineering focuses on the Process, Person, Product, and Place to understand when and why creativity happens in the engineering environment and how it can be further encouraged. Special Features: Applies findings in creativity research to the engineering arena Defines engineering creativity and differentiates it from innovation Discusses personality and motivational factors that impact creativity Clarifies the role of creativity in the design process Details the impact of thinking skills and strategies in creativity Identifies the role the organization and environment plays in encouraging creativity Discusses the 4P's of Creativity: Person, Product, Process, and Place Provides tactics and tools that will help users foster creativity in engineering environments Identifies how creativity results in innovative new solutions to problems Applies creativity research and knowledge to the engineering space

English in Perspective Felicity Horne 2003 A textbook of language study for trainee teachers.

Essential Labour Law Marylyn Christianson 1998

Syndiotactic Polystyrene Jürgen Schellenberg 2009-10-29 Syndiotactic Polystyrene (SPS), synthesized in a laboratory for the first time in 1985, has become commercialized in a very short time, with wide acceptance on the global plastics market. Written by leading experts from academia and industry from all over the world, Syndiotactic Polystyrene offers a comprehensive review of all aspects of SPS of interest to both science and industry, from preparation and properties to applications. This essential reference to SPS covers: The preparation of syndiotactic polystyrene by half-metallocenes and other transition metal catalysts The structure and fundamental properties, especially morphology and crystallization and solution behavior The commercial process for SPS manufacturing Properties, processing, and applications of syndiotactic polystyrenes Polymers based on syndiotactic polystyrenes, for example, by functionalization and modification, and nanocomposites Ideal for polymer chemists, physicists, plastics engineers, materials scientists, and all those dealing with plastics manufacturing and processing, this important resource provides the information one needs to compare, select, and integrate an appropriate materials solution for industrial use or research.

Modular Systems for Energy Usage Management Yatish T. Shah 2020 "...[a] very unique book that integrates benefits of modular systems for enhanced sustainability to meet the global challenges of rapid and sometimes uncontrolled industrialization in the 21st century."--Pinakin Patel, T2M Global This book examines the role of the modular approach for the back end of the energy industry--energy usage management. It outlines the use of modular approaches for the processes used to improve energy conservation and efficiency, which are preludes to the prudent use of energy. Since energy consumption is conventionally broken down into four sectors--residential, transportation, industrial, and commercial--the discussions on energy usage management are also broken down into these four sectors in the book. The book examines the use of modular systems for five application areas that cover the sectors described above: buildings, vehicles, computers and electrical/electronic products, district heating, and wastewater treatment and desalination. This book also discusses the use of a modular approach for energy storage and transportation. Finally, it describes how the modular approach facilitates bottom-up, top-down, and hybrid simulation and modeling of the energy systems from various scientific and socioeconomic perspectives. Aimed at industry professionals and researchers involved in the energy industry, this book illustrates in detail, with the help of concrete industrial examples, how a modular approach can facilitate management of energy usage.

Hydrogen Storage for Sustainability Marcel Van de Voorde 2021-09-07 Carbon neutral hydrogen technologies play a role in preventing climate change and the capacity to store and transport hydrogen will be critical in the growing hydrogen economy. This book focuses on new developments of hydrogen storage technologies and deals with an overview of the materials and science necessary for storing hydrogen with great attention to the synthesis, kinetics, and thermodynamics of new advanced materials e.a. porous carbon and nanomaterials. Ideal book for students of materials science, chemistry, physics; for researchers, chemical- and mechanical engineers, for industrialists, policymakers, safety agencies and governments.

Fundamental Rights in South Africa Francois Venter 2015

Advanced Nanostructured Materials for Environmental Remediation Mu. Naushad 2019-03-14 This book provides a wide-range exploration on the ongoing research and developmental events in environmental nanotechnology. Emerging nanomaterials and its technology have been known to offer unique advantages and are continually showing promising potential attracting continuous global attention. This work thus discusses experimental studies of various nanomaterials along with their design and applications and with specific attention to chemical reactions and their challenges for catalytic systems. It will make a noteworthy appeal to scientists and researchers working in the field of nanotechnology for environmental sciences.

Welcome to My Country Lauren Slater 2012-11-07 The world of the schizophrenic, the depressed, the suicidal can seem a foreign, frightening place. Now, a brilliant writer/psychologist takes readers on a mesmerizing journey into this enigmatic world. As readers interact through Slater with patients Lenny, Moxi, Oscar, and Marie, they come to understand more about the human mind and spirit. First serial to Harper's.

Pharmaceutical Prices in the 21st Century Zaheer-Ud-Din Babar 2014-12-05 This book provides an overview of the global pharmaceutical pricing policies. Medicines use is increasing globally with the increase in resistant microbes, emergence of new treatments, and because of awareness among consumers. This has resulted in increased drug expenditures globally. As the pharmaceutical market is expanding, a variety of pharmaceutical pricing strategies and policies have been employed by drug companies, state organizations and pharmaceutical pricing authorities.

Social Research Methods William Lawrence Neuman 2013-07-17 Social Research Methods: Qualitative and Quantitative Methods 7e is a highly regarded text that presents a comprehensive and balanced introduction to both qualitative and quantitative approaches to social research with an emphasis on the benefits of combining various approaches. New this edition: MyResearchKit--Social Research Methods 7E can be packaged with this text at no additional cost (ISBN: 0205751342) or purchased separately. MyResearchKit includes: * Multiple-choice practice test questions* Flashcards of key terms* Short research exercises (previously in the workbook)*Social Explorer: census data from 1790 - present* A Social Research in the

News blog*Writing tutorial: covers documenting sources, avoiding plagiarism, and various kinds of writing assignments (literature reviews, abstracts, research proposals, etc.)*MySearchLab: a search engine for retrieving scholarly research articles from hundreds of academic journals

Security and Privacy in Communication Networks Robert Deng 2017-06-13 This book constitutes the refereed conference proceedings of the 12th International Conference on Security and Privacy in Communications Networks, SecureComm 2016, held in Guangzhou, China, in October 2016. The 32 revised full papers and 18 poster papers were carefully reviewed and selected from 137 submissions. The papers are organized thematically starting with mobile and network security, followed by applied cryptography, web security and privacy, system security, hardware security. The volume also includes papers from the ATCS workshop and the poster session.

Night Myst Yasmine Galenorn 2010-06-29 Eons ago, vampires tried to turn the Dark Fae in order to harness their magic, only to create a demonic enemy more powerful than they imagined. Now Myst, the Vampiric Fae Queen of the Indigo Court, has enough power to begin a long prophesied supernatural war. And Cicely Waters, a witch who can control the wind, may be the only one who can stop her-and save her beloved Fae prince from the Queen's enslavement.

Assessing Regional Integration in Africa United Nations 2004 This publication examines progress towards regional integration in Africa; defined as one of the anchoring ideals of African unity and the basis for the New Partnership for Africa's Development (NEPAD) development framework. The report analyses the current state of the integration process, highlighting where efforts have succeeded or failed. Findings include that progress has been mixed across sectors, regional economic communities and member states; with some notable progress in trade, communications, transport and macroeconomic policy. Overall however, substantial gaps remain between goals and achievements of most regional economic communities, particularly in terms of internal African trade, macroeconomic policy convergence, production and physical connectivity. A summary report is also available (ISBN 9211250927)

Information Technology Law Andrew Murray 2016-07-07 Information Technology Law is the ideal companion for a course of study on IT law and the ways in which it is evolving in response to rapid technological and social change. The third edition of this ground-breaking textbook develops its unique examination of the legal processes and their relationship to the modern "information society". Charting the development of the rapid digitization of society and its impact on established legal principles, Murray examines the challenges faced with enthusiasm and clarity. Following a clearly-defined part structure, the text begins by defining the information society and discussing how it may be regulated, before moving on to explore issues of internet governance, privacy and surveillance, intellectual property and rights, and commerce within the digital sphere. Comprehensive and engaging, Information Technology Law takes an original and thought-provoking approach to examining this fast-moving area of law in context. Online Resource Centre: The third edition is supported by a range of online resources, including:* Additional chapters on the Digital Sphere and Virtual Environments* Audio podcasts suitable for revision* Updates to the law post-publication* A flashcard glossary of key terms and concepts* Outline answers to end of chapter questions* A link to the author's blog, The IT Lawyer* Web links

Advanced Programming in the UNIX Environment W. Richard Stevens 2008-01-01 The revision of the definitive guide to Unix system programming is now available in a more portable format.

Now You're Speaking My Language Gary Chapman 2014-01-01 Now You're Speaking My Language from multimillion selling author Gary Chapman (The Five Love Languages) encourages husbands and wives to offer steadfast loyalty, forgiveness, empathy, and commitment to resolving conflict, thus encouraging each other in spiritual growth. With great clarity, Dr. Chapman shows how communication and intimacy are key points in developing a successful marriage by focusing on these principles: Lasting answers to marital growth are found in the Bible, Your relationship with God enhances your marriage relationship, Communication is the main way two become one in a marriage, and Biblical oneness involves sex, but also intellectual, spiritual, emotional, and social oneness.

International Encyclopedia of Information and Library Science John Feather 2003-09-02 The International Encyclopedia of Information and Library Science was published to widespread acclaim in 1996, and has become the major reference work in the field. This eagerly awaited new edition has been fully revised and updated to take full account of the many and radical changes which have taken place since the Encyclopedia was originally conceived. With nearly 600 entries, written by a global team of over 150 contributors, the subject matter ranges from mobile library services provided by camel and donkey transport to search engines, portals and the World Wide Web. The new edition retains the successful structure of the first with an alphabetical organization providing the basic framework of a coherent collection of connected entries. Conceptual entries explore and explicate all the major issues, theories and activities in information and library science, such as the economics of information and information management. A wholly new entry on information systems, and enhanced entries on the information professions and the information society, are key features of this new edition. Topical entries deal with more specific subjects, such as collections management and information services for ethnic minorities. New or completely revised entries include a group of entries on information law, and a collection of entries on the Internet and the World Wide Web.

Law of Persons and the Family Amanda Barratt 2017

Contemporary Criminological Issues Carolyn Côté-Lussier 2020-05-05 Contemporary Criminological Issues tackles some of today's most pressing social issues, from the criminalization of Indigenous peoples to interpersonal violence, border control, and armed conflicts. This book advances cutting-edge theories and methods, with the aim of moving beyond the scholarship that reproduces insecurity and exclusion. The

breadth of approaches encompasses much of the current critical criminological scholarship, serving as a counterpoint to the growth of managerial and administrative criminologies and the rise of explicitly exclusionary and punitive state policies and practices with respect to 'crime' and 'security.' This edited collection featuring two books, one in English and one in French, includes important contributions to knowledge and public policy by eminent experts and emerging scholars. This book is published in English. **The Benefits of Plant Extracts for Human Health** Charalampos Proestos 2021-01-13 Nature has always been, and still is, a source of food and ingredients that are beneficial to human health. Nowadays, plant extracts are increasingly becoming important additives in the food industry due to their antimicrobial and antioxidant activities that delay the development of off-flavors and improve the shelf life and color stability of food products. Due to their natural origin, they are excellent candidates to replace synthetic compounds, which are generally considered to have toxicological and carcinogenic effects. The efficient extraction of these compounds from their natural sources and the determination of their activity in commercialized products have been great challenges for researchers and food chain contributors to develop products with positive effects on human health. The objective of this Special Issue is to highlight the existing evidence regarding the various potential benefits of the consumption of plant extracts and plant-extract-based products, with emphasis on in vivo works and epidemiological studies, the application of plant extracts to improving shelf life, the nutritional and health-related properties of foods, and the extraction techniques that can be used to obtain bioactive compounds from plant extracts.

Language Curriculum Design and Socialisation Peter Mican 2012-11-17 This book applies social theory to curriculum design and sets out a program for language curriculum renewal for the 21st Century. It includes many examples of text-based curricula and describes a plan for curriculum renewal based on these texts as the unit of analysis for planning, for teaching and for assessment. Underpinned by Halliday's semiotic theory of language, the book combines the theory of language as a resource for meaning-making with learning language as learning to mean. The curriculum design constructs curriculum around social practices and their texts rather than presenting language as grammatical and lexical objects. This work will provide teachers, teacher educators and curriculum planners with a curriculum model for teaching children and adults in different contexts from preschool to adult education as well as serving as a practical guide for students.

Polarized Electrons J. Kessler 2013-06-29 This book deals with the physics of spin-polarized free electrons. Many aspects of this rapidly expanding field have been treated in review articles, but to date a self-contained monograph has not been available. In writing this book, I have tried to oppose the current trend in science that sees specialists writing primarily for like-minded specialists, and even physicists in closely related fields understanding each other less than they are inclined to admit. I have attempted to treat a modern field of physics in a style similar to that of a textbook. The presentation should be intelligible to readers at the graduate level, and while it may demand concentration, I hope it will not require deciphering. If the reader feels that it occasionally dwells upon rather elementary topics, he should remember that this pedestrian excursion is meant to be reasonably self-contained. It was, for example, necessary to give a simple introduction to the Dirac theory in order to have a basis for the discussion of Mott scattering-one of the most important techniques in polarized electron studies.

Africa In-The-World Cyrille B. Koné 2021-02 This book is above all an example of philosophical reflection in Africa, refuting traditional commonplaces concerning the continent. The texts comprising this volume disprove the misconceptions that Africa has never understood itself and has never contributed to the enrichment of knowledge, the development of rational thought, philosophy, the arts, science and technology as well as civilization. For the members of the recently established network Africa In-The-World, the contributions dealing with musical rhythms, dances and the continental humanist philosophy confirm that Africanisation is a process that continues unabated to this day. The multiple and significant African contributions are often difficult to see because they have long since been adopted and integrated into the heritage of humanity. Africa In-The-World is working toward the construction of a universal humanity - one conceived in terms of a "give and take mentality."

Fundamental Perspectives on International Law William R. Slomanson 1990 This text provides a unique mix of cases, articles, documents, text, charts, tables, questions, and problems to pique student interest and enhance understanding.

Conservation of Natural and Cultural Heritage in Kenya Anne-Marie Deisser 2016-10-07 In Kenya, cultural and natural heritage has a particular value. Its pre-historic heritage not only tells the story of man's origin and evolution but has also contributed to the understanding of the earth's history: fossils and artefacts spanning over 27 million years have been discovered and conserved by the National Museums of Kenya (NMK). Alongside this, the steady rise in the market value of African art has also affected Kenya. Demand for African tribal art has surpassed that for antiquities of Roman, Byzantine, and Egyptian origin, and in African countries currently experiencing conflicts, this activity invariably attracts looters, traffickers and criminal networks. This book brings together essays by heritage experts from different backgrounds, including conservation, heritage management, museum studies, archaeology, environment and social sciences, architecture and landscape, geography, philosophy and economics to explore three key themes: the underlying ethics, practices and legal issues of heritage conservation; the exploration of architectural and urban heritage of Nairobi; and the natural heritage, landscapes and sacred sites in relation to local Kenyan communities and tourism. It thus provides an overview of conservation practices in Kenya from 2000 to 2015 and highlights the role of natural and cultural heritage as a key factor of social-economic development, and as a potential instrument for conflict resolution

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