

The Museum Environment 2nd Edition Butterworth Heinemann Series In Conservation And Museology

The Museum Environment Textile Conservator's Manual Nuclear Safety Introduction to International Disaster Management Materials and the Environment The MBR Book Plant Engineer's Reference Book Fluidization Engineering Contemporary Choreography Introduction to Marine Engineering Process Intensification The Law of Emergencies Castings Stats Means Business Computational Fluid Dynamics Chemical Engineering Design Electronic Access Control Biochemistry of the Eye Maritime Security Ocean Circulation Quality Handbook of Nonwoven Filter Media Ship Hydrostatics and Stability Computational Fluid Dynamics Common LISP Carbon Capture and Storage Statistical Mechanics Engineering Geology Seamanship Techniques Disasters and Public Health Events Management Aligning Human Resources and Business Strategy Optometry: Science, Techniques and Clinical Management E-Book Radiography of Cultural Material Development and Management of Visitor Attractions Return on Investment in Training and Performance Improvement Programs Dissertation Research and Writing for Construction Students Thinking Skills Energy Simulation in Building Design Illustrated Building Pocket Book

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Chemical Engineering Design Jul 16 2021 Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Development and Management of Visitor Attractions Nov 27 2019 Now in its second edition, the successful 'Development and Management of Visitor Attractions' has been fully revised and updated to cover the latest issues in this ever-changing area of tourism. New features/topics include: * The Millennium Dome * National Lottery funded projects * International case studies * Updated statistics and examples The author examines the factors that contribute to the success of visitor attractions. 'The Development and Management of Visitor Attractions' 2nd Edition, covers every aspect of the process of developing and managing different kinds of attractions. Theories explored throughout the text are illustrated through a range of examples and case studies drawn from a number of countries.

Seamanship Techniques Jun 02 2020 This third edition presents the most thorough revision of Seamanship Techniques since first publication in 1987. Already recognised as one of the leading texts for cadet and serving seafarers of all ranks, this new edition covers all the seamanship knowledge required by students and experienced seafarers alike. Ideal for Merchant Navy Officers from Cadet rank to Master Mariner, the new edition incorporates the 2003 amendments to the Collision Avoidance Regulations and new material covering regulations and practice on cargo operations, survival systems, GMDSS requirements, watch keeping duties, rescue operations and pollution control, to name a few. Used by training establishments around the world this is the only reference to both shipboard practice and ship operations that seafarers will need. * Well-established, well-known, well-liked, well-trusted; the fully comprehensive seamanship reference Covers all the knowledge required to take readers from Cadet to Master rank * Includes the 2003 revision to the Collision Avoidance Rules and fully aligned with the IMO STCW (Standards of Training, Certification and Watchkeeping) requirements

Illustrated Building Pocket Book Jun 22 2019 Traditional building dictionaries rely on the reader to already know what the correct word is, and that's not always the case. Roxanna McDonald's technique is radically different, and makes full use of the power of visual communication to convey information.

Return on Investment in Training and Performance Improvement Programs Oct 26 2019 The second edition of this bestselling book, 'Return on Investment in Training and Performance Improvement Programs,' guides you through a proven, results-based approach to calculating the Return on Investment in training and performance improvement programs. Jack Phillips has composed user-friendly ROI calculations, plus: *ten post-program data collection methods *ten strategies for determining the amount of improvement that is directly linked to training programs *ten techniques for converting both hard and soft data to monetary values 'Return on Investment in Training and Performance Improvement Programs, Second Edition' continues as a primary reference for learning how to utilize ROI to show the contribution of training, education, learning systems, performance improvement, and change initiatives throughout organizations. The book also details implementation issues, provides worksheets, and pinpoints non-monetary program benefits. A case study takes the reader through the ROI process step-by-step.

Materials and the Environment Jun 26 2022 Addressing the growing global concern for sustainable engineering, Materials and the Environment, 2e is the only book devoted exclusively to the environmental aspects of materials. It explains the ways in which we depend on and use materials and the consequences these have, and it introduces methods for thinking about and designing with materials within the context of minimizing environmental impact. Along with its noted in-depth coverage of material consumption, the material life-cycle, selection strategies, and legislative aspects, the second edition includes new case studies, important new chapters on Materials for Low Carbon Power and Material Efficiency, all illustrated by in-text examples and expanded exercises. This book is intended for instructors and students as well as materials engineers and product designers who need to consider the environmental implications of materials in their designs. Introduces methods and tools for thinking about and designing with materials within the context of their role in products and the environmental consequences Contains numerous case studies showing how the methods discussed in the book can be applied to real-world situations Includes full-color data sheets for 40 of the most widely used materials, featuring such environmentally relevant information as their annual production and reserves, embodied energy and process energies, carbon footprints, and recycling data New to this edition: New chapter of Case Studies of Eco-audits illustrating the rapid audit method New chapter on Materials for Low Carbon Power examines the consequences for materials supply of a major shift from fossil-fuel based power to power from renewables New chapter exploring Material Efficiency, or design and management for manufacture to provide the services we need with the least production of materials Recent news-clips from the world press that help place materials issues into a broader context. are incorporated into all chapters End-of-chapter exercises have been greatly expanded The datasheets of Chapter 15 have been updated and expanded to include natural and man-made fibers

Castings Oct 19 2021 This is the key publication for professionals and students in the metallurgy and foundry field. Fully revised and expanded, Castings Second Edition covers the latest developments in the understanding of the role of the liquid metal in controlling the properties of cast materials, and indeed, of all metallic materials that have started in the cast form. Practising foundry engineers, designers, and students will find the revealing insights into the behaviour of castings essential in developing their understanding and practice. John Campbell OBE is a leading international figure in the castings industry, with over four decades of experience. He is the originator of the Cosworth Casting Process, the pre-eminent production process for automobile cylinder heads and blocks. He is also co-inventor of both the Baxi Casting Process (now owned by Alcoa) developed in the UK, and the newly emerging Alotech Casting Process in the USA. He is Professor of Casting Technology at the University of Birmingham, UK. New edition of this internationally respected reference and textbook for engineers and students Develops understanding of the concepts and practice of casting operations

Castings' is the key work on castings technology and process metallurgy, and an essential resource on contemporary developments and thinking on the new metallurgy of cast alloys Revised and updated throughout, with new material on subjects including surface turbulence, the new theory of entrainment defects including folded film defects, plus the latest concepts of alloy theory

Quality Feb 08 2021 Quality, second edition, provides comprehensive application of regulatory guidelines and quality concepts and methodologies related to pharmaceutical manufacturing. It is an excellent resource for practitioners, those pursuing pharmaceutical related certifications, and for students trying to learn more about pharmaceutical manufacturing. This book provides the background theory, applied descriptions of the guidelines and concepts, plus questions and problems at the end of the chapters that will help provide practice for the reader to apply the concepts. In this book the authors share their combined 60+ years of extensive practical experience in the industry and in process improvement combined with detailed understanding of the needs of the industry and education system. This book provides real-life examples from industry and guidelines for practical application of tools that can be referenced by operators, engineers, and management. This book is fully revised, updated, and expanded with new content in areas such as QbD, Lean, Six Sigma, basic data analysis, and CAPA tools. Fully revised, updated, and expanded new edition Features new topics such as QbD, Lean, Six Sigma, basic data analysis, and CAPA tools Includes end-of-chapter summaries and end-of-chapter question and/or problems Provides detailed steps and examples for applying the guidelines and quality tools Written in an accessible style making the content easy to understand and apply

Common LISP Oct 07 2020 The defacto standard - a must-have for all LISP programmers. In this greatly expanded edition of the defacto standard, you'll learn about the nearly 200 changes already made since original publication - and find out about gray areas likely to be revised later. Written by the Vice-Chairman of X3J13 (the ANSI committee responsible for the standardization of Common Lisp) and co-developer of the language itself, the new edition contains the entire text of the first edition plus six completely new chapters. They cover: - CLOS, the Common Lisp Object System, with new features to support function overloading and object-oriented programming, plus complete technical specifications * Loops, a powerful control structure for multiple variables * Conditions, a generalization of the error signaling mechanism * Series and generators * Plus other subjects not part of the ANSI standards but of interest to professional programmers. Throughout, you'll find fresh examples, additional clarifications, warnings, and tips - all presented with the author's customary vigor and wit.

Introduction to Marine Engineering Jan 22 2022 Introduction to Marine Engineering explains the operation of all the ship's machinery, with emphasis on correct, safe operating procedures and practices at all times. Organized into 17 chapters, this book begins with an overall look at the ship. Subsequent chapters describe the various ship machineries, including diesel engines, steam turbines, boilers, feed systems, pumps, auxiliaries, deck machinery, hull equipment, shafting, propellers, steering gear, and electrical equipment. Other aspects of marine engineering, particularly, fuel oils, lubricating oils, refrigeration, air conditioning, ventilation, firefighting and safety, watchkeeping, and equipment operation, are also described. This book will be useful to anyone with an interest in ships' machinery or a professional involvement in the shipping business.

The MBR Book May 26 2022 The use of membranes is increasing throughout industry, and particularly the water industry. The municipal water industry, which is concerned with the provision of clean drinking water to the population, is a big user and developer of membrane technology which helps it to provide water free of pathogens, chemicals, odours and unwanted tastes. Municipal authorities also have to process sewage and waste water, and membranes are used extensively in these processes. The MBR Book covers all important aspects of Membrane BioReactors in water and waste water treatment, from the fundamentals of the processes via design principles to MBR technologies. Industrial case studies help interpret actual results and give pointers for best practice. Useful appendices provide data on commercial membranes and international membrane organisations. * Major growth area in the water industries * Internationally-known author * Principles and practice, backed by case studies

The Law of Emergencies Nov 19 2021 The Law of Emergencies: Public Health and Disaster Management, Second Edition, introduces the American legal system as it interacts with disaster management, public health and civil unrest issues. Nan Hunter shows how the law in this area plays out in the context of real life emergencies where individuals often have to make split-second decisions. This book covers the major legal principles underlying emergency policy and operations and analyzes legal authority at the federal, state and local levels, placing the issues in historical context but concentrating on contemporary questions. The book includes primary texts, reader-friendly expository explanation and sample discussion questions in each chapter, as well as scenarios for each of the three major areas to put the concepts in to action. Prior knowledge of the law is not necessary in order to use and understand this book, and it satisfies the need of professionals in a wide array of fields related to emergency management to understand both what the law requires and how to analyze issues for which there is no clear legal answer. The book features materials on such critical issues as how to judge the extent of Constitutional authority for government to intervene in the lives and property of American citizens. At the same time, it also captures bread-and-butter issues such as responder liability and disaster relief methods. No other book brings these components together in a logically organized, step by step fashion. Updated with expanded coverage and several new chapters Re-organized to improve topic focus, with sections covering The President, Congress, and the Courts; Governance on the Ground; The Rights of Individuals; Disaster Management and Reconstruction; Health Emergencies; Preserving the Social Fabric; and Liability Includes a new disaster scenario (a dirty bomb explosion in Washington, DC) to illustrate the application of key concepts Features two new appendices that provide key excerpts from the U.S. Constitution and the Stafford Act Includes a new glossary of legal and legislative terms

Events Management Mar 31 2020 Events Management is the must-have introductory text providing a complete A-Z of the principles and practices of planning, managing and staging events. The book: introduces the concepts of event planning and management presents the study of events management within an academic environment discusses the key components for staging an event, covering the whole process from creation to evaluation examines the events industry within its broader business context, covering impacts and event tourism provides an effective guide for producers of events contains learning objectives and review questions to consolidate learning Each chapter features a real-life case study to illustrate key concepts and place theory in a practical context, as well as preparing students to tackle any challenges they may face in managing events. Examples include the Beijing Olympic Games, Google Zeitgeist Conference, International Confex, Edinburgh International Festival, Ideal Home Show and Glastonbury Festival. Carefully constructed to maximise learning, the text provides the reader with: a systematic guide to organizing successful events, examining areas such as staging, logistics, marketing, human resource management, control and budgeting, risk management, impacts, evaluation and reporting fully revised and updated content including new chapters on sustainable development and events, perspectives on events, and expanded content on marketing, legal issues, risk and health and safety management a companion website: www.elsevierdirect.com/9781856178181 with additional materials and links to websites and other resources for both students and lecturers

Ship Hydrostatics and Stability Dec 09 2020 Ship Hydrostatics and Stability is a complete guide to understanding ship hydrostatics in ship design and ship performance, taking you from first principles through basic and applied theory to contemporary mathematical techniques for hydrostatic modeling and analysis. Real life examples of the practical application of hydrostatics are used to explain the theory and calculations using MATLAB and Excel. The new edition of this established resource takes in recent developments in naval architecture, such as parametric roll, the effects of non-linear motions on stability and the influence of ship lines, along with new international stability regulations. Extensive reference to computational techniques is made throughout and downloadable MATLAB files accompany the book to support your own hydrostatic and stability calculations. The book also includes definitions and indexes in French, German, Italian and Spanish to make the material as accessible as possible for international readers. Equips naval architects with the theory and context to understand and manage ship stability from the first stages of design through to construction and use. Covers the prerequisite foundational theory, including ship dimensions and geometry, numerical integration and the calculation of heeling and righting moments. Outlines a clear approach to stability modeling and analysis using computational methods, and covers the international standards and regulations that must be kept in mind throughout design work. Includes definitions and indexes in French, German, Italian and Spanish to make the material as accessible as possible for international readers.

Ocean Circulation Mar 12 2021 The first two chapters outline the causes of circulation patterns in the atmosphere and oceans, emphasizing the interactions between them. Chapter 3 deals with the surface circulation (including mesoscale eddies), using a minimum of mathematics. Chapter 4 reviews the history of ideas about ocean circulation (with special reference to the North Atlantic gyre), and Chapter 5 describes the major current systems at high and low latitudes. The final Chapter returns to the theme of ocean-atmosphere interaction, especially the global transport of heat and freshwater, and the formation of sub-surface water masses. Fully illustrated in four colours Fully illustrated in four colours

Statistical Mechanics Aug 05 2020 Statistical Mechanics discusses the fundamental concepts involved in understanding the physical properties of matter in bulk on the basis of the dynamical behavior of its microscopic constituents. The book emphasizes the equilibrium states of physical systems. The text first details the statistical basis of thermodynamics, and then proceeds to discussing the elements of ensemble theory. The next two chapters cover the canonical and grand canonical ensemble. Chapter 5 deals with the formulation of quantum statistics, while Chapter 6 talks about the theory of simple gases. Chapters 7 and 8 examine the ideal Bose and Fermi systems. In the next three chapters, the book covers the statistical mechanics of interacting systems, which includes the method of cluster expansions, pseudopotentials, and quantized fields. Chapter 12 discusses the theory of phase transitions, while Chapter 13 discusses fluctuations. The book will be of great use to researchers and practitioners from wide array of disciplines, such as physics, chemistry, and engineering.

Carbon Capture and Storage Sep 05 2020 Carbon Capture and Storage, Second Edition, provides a thorough, non-specialist introduction to technologies aimed at reducing greenhouse gas emissions from burning fossil fuels during power generation and other energy-intensive industrial processes, such as steelmaking. Extensively revised and updated, this second edition provides detailed coverage of key carbon dioxide capture methods along with an examination of the most promising techniques for carbon storage. The book opens with an introductory section that provides background regarding the need to reduce greenhouse gas emissions, an overview of carbon capture and storage (CCS) technologies, and a primer in the fundamentals of power generation. The next chapters focus on key carbon capture technologies, including absorption, adsorption, and membrane-based systems, addressing their applications in both the power and non-power sectors. New for the second edition, a dedicated section on geological storage of carbon dioxide follows, with chapters addressing the relevant features, events, and processes (FEP) associated with this scenario. Non-geological storage methods such as ocean storage and storage in terrestrial ecosystems are the subject of the final group of chapters. A chapter on carbon dioxide transportation is also included. This extensively revised and expanded second edition will be a valuable resource for power plant engineers, chemical engineers, geological engineers, environmental engineers, and industrial engineers seeking a concise, yet authoritative one-volume overview of this field. Researchers, consultants, and policy makers entering this discipline also will benefit from this

reference. Provides all-inclusive and authoritative coverage of the major technologies under consideration for carbon capture and storage Presents information in an approachable format, for those with a scientific or engineering background, as well as non-specialists Includes a new Part III dedicated to geological storage of carbon dioxide, covering this topic in much more depth (9 chapters compared to 1 in the first edition) Features revisions and updates to all chapters Includes new sections or expanded content on: chemical looping/calcium looping; life-cycle GHG assessment of CCS technologies; non-power industries (e.g. including pulp/paper alongside ones already covered); carbon negative technologies (e.g. BECCS); gas-fired power plants; biomass and waste co-firing; and hydrate-based capture

Computational Fluid Dynamics Aug 17 2021 *Computational Fluid Dynamics: A Practical Approach, Third Edition*, is an introduction to CFD fundamentals and commercial CFD software to solve engineering problems. The book is designed for a wide variety of engineering students new to CFD, and for practicing engineers learning CFD for the first time. Combining an appropriate level of mathematical background, worked examples, computer screen shots, and step-by-step processes, this book walks the reader through modeling and computing, as well as interpreting CFD results. This new edition has been updated throughout, with new content and improved figures, examples and problems. Includes a new chapter on practical guidelines for mesh generation Provides full coverage of high-pressure fluid dynamics and the meshless approach to provide a broader overview of the application areas where CFD can be used Includes online resources with a new bonus chapter featuring detailed case studies and the latest developments in CFD

Handbook of Nonwoven Filter Media Jan 10 2021 *The Handbook of Nonwoven Filter Media, Second Edition* provides readers with a fundamental understanding of nonwoven filter media. It is one of the few books dealing exclusively with the subject, and is primarily intended as a reference for people in the nonwovens industry (industry and academic researchers, technical, marketing, and quality control personnel) and universities offering courses in filtration theory and practice and nonwovens technology. The book includes applications for gas, liquid, and engine filtration, and identifies the types of filter media used in these applications. The various separation technologies that can be achieved with nonwoven filter media are revealed and discussed. Theoretical presentation is based on flow through porous media, and is developed around a nonwovens or engineered fabrics orientation. Presents the latest information on legislative, regulatory, environmental and sustainability issues affecting the nonwovens and filtration industries Includes a comprehensive discussion of Computational Flow Dynamics (CFD) by Dr. George Chase, University of Akron, USA Includes the latest Global and North American marketing statistics for filters and filter media prepared by Brad Kalil of INDA.

Maritime Security Apr 12 2021 *Maritime Security, 2e*, provides practical, experience-based, and proven knowledge - and a "how-to-guide" - on maritime security. McNicholas explains in clear language how commercial seaports and vessels function; what threats currently exist; what security policies, procedures, systems, and measures must be implemented to mitigate these threats; and how to conduct ship and port security assessments and plans. Whether the problem is weapons of mass destruction or cargo theft, *Maritime Security* provides invaluable guidance for the professionals who protect our shipping and ports. New chapters focus on whole government maritime security, UN legal conventions and frameworks, transnational crime, and migration. Updates throughout will provide the latest information in increasingly important field. Provides an excellent introduction to issues facing this critical transportation channel Three all-new chapters, and updated throughout to reflect changes in maritime security Increased coverage of migration issues and transnational crime New contributors bring legal security and cybersecurity issues to the fore

Disasters and Public Health May 02 2020 *Disasters and Public Health: Planning and Response, Second Edition*, examines the critical intersection between emergency management and public health. It provides a succinct overview of the actions that may be taken before, during, and after a major public health emergency or disaster to reduce morbidity and mortality. Five all-new chapters at the beginning of the book describe how policy and law drive program structures and strategies leading to the establishment and maintenance of preparedness capabilities. New topics covered in this edition include disaster behavioral health, which is often the most expensive and longest-term recovery challenge in a public health emergency, and community resilience, a valuable resource upon which most emergency programs and responses depend. The balance of the book provides an in-depth review of preparedness, response, and recovery challenges for 15 public health threats. These chapters also provide lessons learned from responses to each threat, giving users a well-rounded introduction to public health preparedness and response that is rooted in experience and practice. Contains seven new chapters that cover law, vulnerable populations, behavioral health, community resilience, preparedness capabilities, emerging and re-emerging infectious diseases, and foodborne threats Provides clinical updates by new MD co-author Includes innovative preparedness approaches and lessons learned from current and historic public health and medical responses that enhance clarity and provide valuable examples to readers Presents increased international content and case studies for a global perspective on public health

Computational Fluid Dynamics Nov 07 2020 *Computational Fluid Dynamics, Second Edition*, provides an introduction to CFD fundamentals that focuses on the use of commercial CFD software to solve engineering problems. This new edition provides expanded coverage of CFD techniques including discretisation via finite element and spectral element as well as finite difference and finite volume methods and multigrid method. There is additional coverage of high-pressure fluid dynamics and meshless approach to provide a broader overview of the application areas where CFD can be used. The book combines an appropriate level of mathematical background, worked examples, computer screen shots, and step-by-step processes, walking students through modeling and computing as well as interpretation of CFD results. It is ideal for senior level undergraduate and graduate students of mechanical, aerospace, civil, chemical, environmental and marine engineering. It can also help beginner users of commercial CFD software tools (including CFX and FLUENT). A more comprehensive coverage of CFD techniques including discretisation via finite element and spectral element as well as finite difference and finite volume methods and multigrid method Coverage of different approaches to CFD grid generation in order to closely match how CFD meshing is being used in industry Additional coverage of high-pressure fluid dynamics and meshless approach to provide a broader overview of the application areas where CFD can be used 20% new content

Optometry: Science, Techniques and Clinical Management E-Book Jan 28 2020 An introduction to the theory and practice of optometry in one succinct volume. From the fundamental science of vision to clinical techniques and the management of common ocular conditions, this book encompasses the essence of contemporary optometric practice. Now in full colour and featuring over 400 new illustrations, this popular text which will appeal to both students and practitioners wishing to keep up to date has been revised significantly. The new edition incorporates recent advances in technology and a complete overview of clinical procedures to improve and update everyday patient care. Contributions from well-known international experts deliver a broad perspective and understanding of current optometric practice. A useful aid for students and the newly qualified practitioner, while providing a rapid reference guide for the more experienced clinician. Comprehensive and logical coverage detailing the full spectrum of optometric practice in one volume. Succinctly covers the basics of anatomy, physiology, pharmacology, investigative techniques and clinical management of common eye conditions to provide key topics likely to be met in clinical practice. Discusses the full range of refractive correction, from spectacles and contact lenses to surgical treatment. Includes chapters on the management of special populations, including paediatric, elderly, low vision and special needs patients. Heavily illustrated throughout with key diagrams and images to support the text. Complete restructuring of contents into three sections: basic sciences, clinical techniques and patient management. Full colour throughout with over 400 illustrations. Many new chapters reflecting the changes in optometric practice and technology over the last 20 years, including new imaging and diagnostic procedures and methods of ocular treatment and refractive correction. Now includes internationally renowned authors from around the world. Details a full range of refractive and management approaches for patient care.

Stats Means Business Sep 17 2021 'Stats Means Business' is an introductory textbook aimed at Business Studies students who require guidance in the area of statistics. It minimizes technical language, provides clear definition of key terms, and gives emphasis to interpretation rather than technique. 'Stats Means Business' enables readers to: * appreciate the importance of statistical analysis in business * understand statistical techniques * develop judgment in the selection of appropriate statistical techniques * interpret the results of statistical analysis There is an overwhelming need for successful managers to be able to deal competently with numerical information and this text is developed with this in mind by providing worked examples and review questions which are rooted in viable business contexts. Each chapter includes guidance on using Excel and Minitab to produce the analysis described and explained in the chapter. The start of every chapter identifies aims and summarizes content and each is written in an accessible style. Model solutions are provided for three problems in each chapter and further solutions are available on a web site to accompany the book. The book is suitable for first year undergraduate courses, MBA Programmes and anyone who needs support and guidance in the area of statistics.

Fluidization Engineering Mar 24 2022 *Fluidization Engineering, Second Edition*, expands on its original scope to encompass these new areas and introduces reactor models specifically for these contacting regimes. Completely revised and updated, it is essentially a new book. Its aim is to distill from the thousands of studies those particular developments that are pertinent for the engineer concerned with predictive methods, for the designer, and for the user and potential user of fluidized beds. Covers the recent advances in the field of fluidization. Presents the studies of developments necessary to the engineers, designers, and users of fluidized beds.

Plant Engineer's Reference Book Apr 24 2022 * Useful to engineers in any industry * Extensive references provided throughout * Comprehensive range of topics covered * Written with practical situations in mind A plant engineer is responsible for a wide range of industrial activities, and may work in any industry. The breadth of knowledge required by such professionals is so wide that previous books addressing plant engineering have either been limited to certain subjects or cursory in their treatment of topics. The *Plant Engineer's Reference Book* is the first volume to offer complete coverage of subjects of interest to the plant engineer. This reference work provides a primary source of information for the plant engineer. Subjects include selection of a suitable site for a factory and provision of basic facilities (including boilers, electrical systems, water, HVAC systems, pumping systems and floors and finishes). Detailed chapters deal with basic issues such as lubrication, corrosion, energy conservation, maintenance and materials handling as well as environmental considerations, insurance matters and financial concerns. The authors chosen to contribute to the book are experts in their various fields. The Editor has experience of a wide range of operations in the UK, other European countries, the USA, and elsewhere in the world. Produced with the backing of the Institution of Plant Engineers, this work is the primary source of information for plant engineers in any industry worldwide.

Textile Conservator's Manual Sep 29 2022 This second edition of 'Textile Conservator's Manual', now revised and available in paperback, provides an in-depth review of the current practice, ethics and materials used in textile conservation. Concentrating on decorative art objects from the major cultures, the book gives practical instruction and a wide variety of case histories. While the format has been simplified, the text has been expanded and updated to include changes brought about by recent developments in the conservation of material. This new information will increase the reader's ability to interpret signs of ageing and past activity on the object. New case histories in Part Two

represent major investigations into the technical history. A basis is provided from which to develop practical skills, taking into account the needs of the object, its essential characteristics of appearance and, above all, its structure. The book covers a wide range of decorative objects, from a fragment of linen 4000 years old to a theatrical backcloth of the twentieth century. This book is practical and thought-provoking, not only about what is being done and how, but also why.

Process Intensification Dec 21 2021 Process Intensification: Engineering for Efficiency, Sustainability and Flexibility is the first book to provide a practical working guide to understanding process intensification (PI) and developing successful PI solutions and applications in chemical process, civil, environmental, energy, pharmaceutical, biological, and biochemical systems. Process intensification is a chemical and process design approach that leads to substantially smaller, cleaner, safer, and more energy efficient process technology. It improves process flexibility, product quality, speed to market and inherent safety, with a reduced environmental footprint. This book represents a valuable resource for engineers working with leading-edge process technologies, and those involved research and development of chemical, process, environmental, pharmaceutical, and bioscience systems. No other reference covers both the technology and application of PI, addressing fundamentals, industry applications, and including a development and implementation guide Covers hot and high growth topics, including emission prevention, sustainable design, and pinch analysis World-class authors: Colin Ramshaw pioneered PI at ICI and is widely credited as the father of the technology

Nuclear Safety Aug 29 2022 Nuclear Safety provides the methods and data needed to evaluate and manage the safety of nuclear facilities and related processes using risk-based safety analysis, and provides readers with the techniques to assess the consequences of radioactive releases. The book covers relevant international and regional safety criteria (US, IAEA, EUR, PUN, URD, INI). The contents deal with each of the critical components of a nuclear plant, and provide an analysis of the risks arising from a variety of sources, including earthquakes, tornadoes, external impact and human factors. It also deals with the safety of underground nuclear testing and the handling of radioactive waste. Covers all plant components and potential sources of risk including human, technical and natural factors. Brings together information on nuclear safety for which the reader would previously have to consult many different and expensive sources. Provides international design and safety criteria and an overview of regulatory regimes.

The Museum Environment Oct 31 2022 The Museum Environment, Second Edition deals with the behavior and conservation of the various classes of museum exhibit. This book is divided into six sections that provide museum specifications for conservation. This text highlights the three contributing factors in the deterioration and decay of museum exhibits, namely light, humidity, and air pollution. Each section describes the mechanism of deterioration and the appropriate "preventive conservation". The changes in this edition from the previous include the electronic hygrometry, fluorescent lamps, buffered cases, air conditioning systems, and data logging and control in historic buildings. This book is of great value to conservation researchers and museum workers.

Biochemistry of the Eye May 14 2021 This textbook provides students and clinicians with information on the molecular structures and biochemical events that occur in the eye. Linking basic science to clinical practice with specific examples, this comprehensive resource helps students understand this challenging topic. The book is organized according to biochemical classes of compounds since much ocular biochemistry is the same in all tissues of the eye. General biochemistry is discussed in each chapter, in addition to material that is peculiar to specific ocular tissues. Many examples of biochemical pathology and disease processes, such as age-related cataract formation and ocular diabetes, are described.

Energy Simulation in Building Design Jul 24 2019 Since the appearance of the first edition of 'Energy Simulation in Building Design', the use of computer-based appraisal tools to solve energy design problems within buildings has grown rapidly. A leading figure in this field, Professor Joseph Clarke has updated his book throughout to reflect these latest developments. The book now includes material on combined thermal/lighting and CFD simulation, advanced glazings, indoor air quality and photovoltaic components. This thorough revision means that the book remains the key text on simulation for architects, building engineering consultants and students of building engineering and environmental design of buildings. The book's purpose is to help architects, mechanical & environmental engineers and energy & facility managers to understand and apply the emerging computer methods for options appraisal at the individual building, estate, city, region and national levels. This is achieved by interspersing theoretical derivations relating to simulation within an evolving description of the built environment as a complex system. The premise is that the effective application of any simulation tool requires a thorough understanding of the domain it addresses.

Engineering Geology Jul 04 2020 Every engineering structure, whether it's a building, bridge or road, is affected by the ground on which it is built. Geology is of fundamental importance when deciding on the location and design of all engineering works, and it is essential that engineers have a basic knowledge of the subject. Engineering Geology introduces the fundamentals of the discipline and ensures that engineers have a clear understanding of the processes at work, and how they will impact on what is to be built. Core areas such as stratigraphy, rock types, structures and geological processes are explained, and put in context. The basics of soil mechanics and the links between groundwater conditions and underlying geology are introduced. As well as the theoretical knowledge necessary, Professor Bell introduces the techniques that engineers will need to learn about and understand the geological conditions in which they intend to build. Site investigation techniques are detailed, and the risks and risk avoidance methods for dealing with different conditions are explained. * Accessible introduction to geology for engineers * Key points illustrated with diagrams and photographs * Teaches the impact of geology on the planning and design of structures

Aligning Human Resources and Business Strategy Feb 29 2020 What difference can the aspiring HR strategist really make to business value? In the new edition of her groundbreaking book, Linda Holbeche answers this question and provides the tools and insights to help HR managers and directors add value to the organization by implementing effective HR initiatives that are aligned to core business strategies. Featuring updated profiles and case studies from top HR strategists who have used their skills to deliver a variety of key business objectives, Aligning Human Resources and Business Strategy, 2nd edition provides inspiration and guidance on how to apply the theory to challenges in your organization. Learn how you can strengthen and prove the relationship between people strategy and business success through your approach to performance and development and impress at the highest levels with this new edition of an HR classic. Linda Holbeche is Director of Research and Policy at the Chartered Institute of Personnel and Development (CIPD). Linda chairs and speaks at meetings and conferences worldwide and appeared at number six in Human Resources magazine's HR most influential 2008 roll call of top industry thinkers.

Dissertation Research and Writing for Construction Students Sep 25 2019 Aimed specifically at students on BSc and taught Masters programmes who are embarking on research for the first time, this book is clear with explanatory text supported by numerous examples illustrating good practice.

Radiography of Cultural Material Dec 29 2019 Radiography can be an invaluable tool for the study of a diverse array of cultural materials including metals, ceramics, paper, paintings and human and animal remains. In this book, experts in the field bring to life their experiences with the different materials, describing the techniques that can be employed to discover the stories behind the objects. This second edition, available in paperback for the first time, includes new case studies and images, as well as whole new sections on digital imaging, quality control and animal mummies.

Contemporary Choreography Feb 20 2022 Fully revised and updated, this second edition of Contemporary Choreography presents a range of articles covering choreographic enquiry, investigation into the creative process, and innovative challenges to traditional understandings of dance making. Contributions from a global range of practitioners and researchers address a spectrum of concerns in the field, organized into seven broad domains: Conceptual and philosophical concerns Processes of making Dance dramaturgy: structures, relationships, contexts Choreographic environments Cultural and intercultural contexts Challenging aesthetics Choreographic relationships with technology. Including 23 new chapters and 10 updated ones, Contemporary Choreography captures the essence and progress of choreography in the twenty-first century, supporting and encouraging rigorous thinking and research for future generations of dance practitioners and scholars.

Thinking Skills Aug 24 2019 Thinking Skills, second edition, is the only endorsed book offering complete coverage of the Cambridge International AS and A Level syllabus.

Introduction to International Disaster Management Jul 28 2022 Disaster management is a vibrant and growing field, driven by government spending in the wake of terrorist attacks and environmental debacles, as well as private-sector hiring of risk managers and emergency planners. An ever-increasing number of practicing professionals needs a reference that can provide a solid foundation in ALL major phases of supervision – mitigation, preparedness, response, communications, and recovery. As climate change leads to further costly catastrophes and as countries around the world continue to struggle with terrorism, the demand for solutions will only grow. This revised edition of Coppola's revered resource meets said demand head-on with more focused, current, thoughtfully analyzed, and effective approaches to disaster relief. Expanded coverage of global approaches to disaster management with enhanced data and research on disasters around the world, including Cyclone Nargis, the H1N1 pandemic, and the tsunami in American Samoa More material on risk management, mitigation, myths that affect behavior during crises, and post-disaster evaluation of the response Up-to-date information on the role of aid organizations and international financial institutions like the World Bank in disaster response, as well as commentary on the latest research in disaster management and policy studies

Electronic Access Control Jun 14 2021 Electronic Access Control introduces the fundamentals of electronic access control through clear, well-illustrated explanations. Access Control Systems are difficult to learn and even harder to master due to the different ways in which manufacturers approach the subject and the myriad complications associated with doors, door frames, hardware, and electrified locks. This book consolidates this information, covering a comprehensive yet easy-to-read list of subjects that every Access Control System Designer, Installer, Maintenance Tech or Project Manager needs to know in order to develop quality and profitable Alarm/Access Control System installations. Within these pages, Thomas L. Norman - a master at electronic security and risk management consulting and author of the industry reference manual for the design of Integrated Security Systems - describes the full range of EAC devices (credentials, readers, locks, sensors, wiring, and computers), showing how they work, and how they are installed. A comprehensive introduction to all aspects of electronic access control Provides information in short bursts with ample illustrations Each chapter begins with outline of chapter contents and ends with a quiz May be used for self-study, or as a professional reference guide