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The Modern Technology of Radiation Oncology Jake Van Dyk 1999 Details technology associated with radiation oncology, emphasizing design of all equipment allied with radiation treatment. Describes procedures required to implement equipment in clinical service, covering needs assessment, purchase, acceptance, and commissioning, and explains quality assurance issues. Also addresses less common and evolving technologies. For medical physicists and radiation oncologists, as well as radiation therapists, dosimetrists, and engineering technologists. Includes bandw medical images and photos of equipment. Paper edition (unseen), \$145.95. Annotation copyrighted by Book News, Inc., Portland, OR

Advances in Design for Inclusion Giuseppe Di Bucchianico 2016-08-16 This book focuses on a range of topics in design, such as universal design, design for all, digital inclusion, universal usability, and accessibility of technologies independently of people's age, economic situation, education, geographic location, culture and language. It especially focuses on accessibility for people with auditory, cognitive, neurological, and visual impairments, ageing populations, and mobility for physical special needs. The book explores some of the overlaps between inclusive design and web accessibility to help managers, designers, developers, policy makers, and researchers optimize their efforts in these overlapping areas. Based on the AHFE 2016 International Conference on Design for Inclusion, held on July 27-31, 2016, in Walt Disney World®, Florida, USA, this book discusses new design technologies, highlighting various requirements of individuals within a community. Thanks to its multidisciplinary approach, the book represents a useful resource for readers with different kinds of backgrounds and provides them with a timely, practice-oriented guide to design for inclusion.

Able Minds and Practiced Hands SallyM. Foster 2017-07-05 One hundred years on from J Romilly Allen and Joseph Anderson's 1903 landmark publication, The Early Christian Monuments of Scotland, twenty six essays explore the current state of knowledge of early medieval sculpture in Scotland. They demonstrate the unique value of this material in contributing to our understanding of the society and people that created it between 1000 to 1500 years ago. Today's approaches and techniques offer new insights, as well as great hope, for what might be learnt from future study of 'familiar' and new material alike. The essays exemplify the ever-diversifying, interdisciplinary approaches that are being taken to the study of early medieval sculpture. Key themes that emerge include: the interdependence of conservation, research and access; the need for a 21st-century inventory of the sculpture; the breadth and value of the wide range of the research tools that now exist; conservation issues, including the politics of how and where sculpture should be protected, and the pressing need to identify priorities for action; and, what is probably the most important development over the last 100 years, the increase in awareness of the range of values and significances that attaches to early medieval sculpture, including appreciation of context.

Handbook of Radiotherapy Physics Philip Mayles 2021-12-31 From the essential background physics and radiobiology to the latest imaging and treatment modalities, the updated second edition of Handbook of Radiotherapy Physics: Theory & Practice covers all aspects of the subject. In Volume 1, Part A includes the Interaction of Radiation with Matter (charged particles and photons) and the Fundamentals of Dosimetry with an extensive section on small-field physics. Part B covers Radiobiology with increased emphasis on hypofractionation. Part C describes Equipment for Imaging and Therapy including MR-guided linear accelerators. Part D on Dose Measurement includes chapters on ionisation chambers, solid-state detectors, film and gels, as well as a detailed description and explanation of Codes of Practice for Reference Dose Determination including detector correction factors in small fields. Part E describes the properties of Clinical (external) Beams. The various methods (or 'algorithms') for Computing Doses in Patients irradiated by photon, electron and proton beams are described in Part F with increased emphasis on Monte-Carlo-based and grid-based deterministic algorithms. In Volume 2, Part G covers all aspects of Treatment Planning including CT-, MR- and Radionuclide-based patient imaging, Intensity-Modulated Photon Beams, Electron and Proton Beams, Stereotactic and Total Body Irradiation and the use of the dosimetric and radiobiological metrics TCP and NTCP for plan evaluation and optimisation. Quality Assurance fundamentals with application to equipment and processes are covered in Part H. Radionuclides, equipment and methods for Brachytherapy and Targeted Molecular Therapy are covered in Parts I and J, respectively. Finally, Part K is devoted to Radiation Protection of the public, staff and patients. Extensive tables of Physical Constants, Photon, Electron and Proton Interaction data, and typical Photon Beam and Radionuclide data are given in Part L. Edited by recognised authorities in the field, with individual chapters written by renowned specialists, this second edition of Handbook of Radiotherapy Physics provides the essential up-to-date theoretical and practical knowledge to deliver safe and effective radiotherapy. It will be of interest to clinical and research medical physicists, radiation oncologists, radiation technologists, PhD and Master's students.

A Manual of Chemical Analysis, Qualitative and Quantitative. For the Use of Students Henry Minchin Noad 1864  
FCC Record

United States. Federal Communications Commission 2012

Subsurface Characterization and Monitoring Techniques J. Russell Boulding 1996-07 Provides information on where to go to find detailed guidance on how to use these techniques. Covers: remote sensing & surface geophysical methods; drilling & solids sampling methods; geophysical logging of boreholes; aquifer test methods; ground water sampling methods; Vadose Zone (VZ) hydrologic properties: water state, infiltration, conductivity, & flux; VZ water budget characterization methods; VZ soil-solute/gas sampling & monitoring methods; & chemical field screening & analytical methods. Charts, tables, graphs & drawings.

Waterloo C Development System, Version 3.0 for VM/CMS Franklin D. Boswell 1988

The Oxford Handbook of Substance Use and Substance Use Disorders Kenneth J. Sher 2016-06-29 Substance use and substance use disorders (SUDs) have been documented in a number of cultures since the beginnings of recorded time and represent major societal concerns in the present day. The Oxford Handbook of Substance Use and Substance Use Disorders provides comprehensive reviews of key areas of inquiry into the fundamental nature of substance use and SUDs, their features, causes, consequences, course, treatment, and prevention. It is clear that understanding these various aspects of substance use and SUDs requires a multidisciplinary perspective that considers the pharmacology of drugs of abuse, genetic variation in these acute and chronic effects, and psychological processes in the context of the interpersonal and cultural contexts. Comprising two volumes, this Handbook also highlights a range of opportunities and challenges facing those interested in the basic understanding of the nature of these phenomena and novel approaches to assess, prevent, and treat these conditions with the goal of reducing the enormous burden these problems place on our global society. Chapters in Volume 1 cover the historical and cultural contexts of substance use and its consequences, its epidemiology and course, etiological processes from the perspective of neuropharmacology, genetics, personality, development, motivation, and the interpersonal and larger social environment. Chapters in Volume 2 cover major health and social consequences of substance involvement, psychiatric comorbidity, assessment, and interventions. Each chapter highlights key issues in the respective topic area and raises unanswered questions for future research. All chapters are authored by leading scholars in each topic. The level of coverage is sufficiently deep to be of value to both trainees and established scientists and clinicians interested in an evidenced-based approach.

Practical Radiation Oncology Physics Sonja Dieterich 2015-08-21 Perfect for radiation oncologists, medical physicists, and residents in both fields, Practical Radiation Oncology Physics provides a concise and practical summary of the current practice standards in therapeutic medical physics. A companion to the fourth edition of Clinical Radiation Oncology, by Drs. Leonard Gunderson and Joel Tepper, this indispensable guide helps you ensure a current, state-of-the-art clinical practice. Covers key topics such as relative and in-vivo dosimetry, imaging and clinical imaging, stereotactic body radiation therapy, and brachytherapy. Describes technical aspects and patient-related aspects of current clinical practice. Offers key practice guideline recommendations from professional societies throughout - including AAPM, ASTRO, ABS, ACR, IAEA, and others. Includes therapeutic applications of x-rays, gamma rays, electron and charged particle beams, neutrons, and radiation from sealed radionuclide sources, plus the equipment associated with their production, use, measurement, and evaluation. Features a "For the Physician" box in each chapter, which summarizes the key points with the most impact on the quality and safety of patient care. Provides a user-friendly appendix with annotated compilations of all relevant recommendation documents. Includes an enhanced Expert Consult eBook with open-ended questions, ideal for self-assessment and highlighting key points from each chapter. Download and search all of the text, figures, and references on any mobile device.

Biological Rhythms DIANE Publishing Company 1994-04 Discusses biological rhythms: what they are, how they are controlled by the brain, and the role they play in regulating physiological and cognitive functions. The major focus of the report is the examination of the effects of nonstandard work hours on biological rhythms and how these effects can interact with other factors to affect the health, performance, and safety of workers. Over 100, photos, drawings, charts, and tables.

Technical Abstract Bulletin 1981

Dementia Ellen Hickey 2017-12-19 Person-centered care for persons with dementia has been developed and expanded over the last few decades. Speech-language pathologists are uniquely positioned to understand the striking impact that communication challenges have on persons with dementia and their caregivers, and can lead the charge to improve access to communication and participation. This volume serves as a starting point and reference manual for those who want to provide person-centered and life-enhancing services to persons with dementia, and to inspire the continued generation of quality research to demonstrate the value of cognitive-communication, behavioral, and caregiver interventions. It serves as a call to action for an interprofessional team of healthcare providers across healthcare settings to promote meaningful life engagement in persons with dementia using evidence-based assessment and intervention approaches. This volume provides background on the evolution of caring for persons with dementia, as well as a description of the diagnostic process for dementia syndromes and the cognitive and communication characteristics of dementias with an emphasis on Alzheimer's dementia. Its chapters cover the person-centered assessment process for persons with cognitive and communicative disorders of dementias; intervention approaches for the wide variety of cognitive, communicative, eating/swallowing, and behavioral symptoms and consequences of dementia syndromes; reimbursement and documentation issues for various settings in which persons with dementia are seen; and issues and challenges of quality of life and end-of-life care.

The Oxford Handbook of Causation Helen Beebe 2012-01-12 Causation is a central topic in many areas of philosophy. In metaphysics, philosophers want to know what causation is, and how it is related to laws of nature, probability, action, and freedom of the will. In epistemology, philosophers investigate how causal claims can be inferred from statistical data, and how causation is related to perception, knowledge and explanation. In the philosophy of mind, philosophers want to know whether and how the mind can be said to have causal efficacy, and in ethics, whether there is a moral distinction between acts and omissions and whether the moral value of an act can be judged according to its consequences. And causation is a contested concept in other fields of enquiry, such as biology, physics, and the law. This book provides an in-depth and comprehensive overview of these and other topics, as well as the history of the causation debate from the ancient Greeks to the logical empiricists. The chapters provide surveys of contemporary debates, while often also advancing novel and controversial claims; and each includes a comprehensive bibliography and suggestions for further reading. The book is thus the most comprehensive source of information about causation currently available, and will be invaluable for upper-level undergraduates through to

professional philosophers.

The Human-Computer Interaction Handbook Andrew Sears 2002-09-01 The Human-Computer Interaction Handbook: Fundamentals, Evolving Technologies, and Emerging Applications is a comprehensive survey of this fast-paced field that is of interest to all HCI practitioners, educators, consultants, and researchers. This includes computer scientists; industrial, electrical, and computer engineers; cognitive scientists; exp

Human Language Technology. Challenges for Computer Science and Linguistics Zygmunt Vetulani 2018-06-15 This book constitutes the refereed proceedings of the 8th Language and Technology Conference: Challenges for Computer Science and Linguistics, LTC 2017, held in Poznan, Poland, in November 2017. The 31 revised papers presented in this volume were carefully reviewed and selected from 108 submissions. The papers selected to this volume belong to various fields of: Speech Processing; Multiword Expressions; Parsing; Language Resources and Tools; Ontologies and Wordnets; Machine Translation; Information and Data Extraction; Text Engineering and Processing; Applications in Language Learning; Emotions, Decisions and Opinions; Less-Resourced Languages.

Canadiana 1991-06

International Advertising and Communication Sandra Diehl 2006-09-19 The book presents a wide selection of studies and works in the area of international communication including seven main areas: Advertising and Communication Effects; Advertising and Information Processing; Communication and Branding; Emotional, Social and Individual Aspects of Communication; Communication and New Media; International Advertising and, finally, Perspectives on the Future of International Advertising International Books in Print, 1995 Barbara Hopkinson 1995

A Reference Guide for English Studies Michael J. Marcuse 1990-01-01

Managers' Summary 2000

A User's Guide to Path Analysis Moses E. Olobatuyi 2006 Written for graduate level students in advanced statistics, this handbook offers a comprehensive and practical overview of path analysis. A User's Guide to Path Analysis contains: - Definition and graphical illustrations of basic terms and concepts - Illustration of causal diagrams with emphasis on variable positioning, path symbols, error terms, missing arrows, and feedback loops - In-depth discussion of assumptions underlying path analysis - Discussion of causal model estimation with illustrations - Practical research questions for interpreting a path model - Instructions on how to read a path diagram, and how to use the SPSS computer program and interpret the results - Suggestions for what to include when writing up or interpreting findings

The Metrics of Happiness R. Allan Freeze 2022-09-25 This book provides a comprehensive treatment of how happiness and wellbeing are measured. It presents an accessible summary of the philosophy, methodology, and applicability of the various measurement techniques that have been generated by the leaders of the happiness movement. It traces the history of development of the core ideas, and clarifies the unexpectedly wide range of techniques that are used. The book provides an unbiased assessment of the strengths and weaknesses of each approach and differentiates the contributions that have been made by psychologists, economists, environmentalists, and health scientists. It examines applications at a personal scale, in the workplace, at a societal scale, and on the world stage. It does so in an easy-to-read anecdotal writing style that will appeal to a wide range of academic and lay readers who enjoy popularized non-fiction that address matters of social concern.

Small Incision Cataract Surgery (Manual Phaco) Kamaljeet Singh 2010-03-01 Phacoemulsification with a small incision is the most common method of removing cataracts used today. Despite its popularity it is a technique that requires great skill and much practice. This book presents a broad overview of the technique, its complications and pitfalls and pays particular attention to management of patient pain and other clinical complications that may affect the operation's success.

Riparian and Aquatic Habitat Management in the Albuquerque Field Office 2000

Bridge Safety, Maintenance and Management in a Life-Cycle Context Dan M. Frangopol 2022-02-17 During the past two decades, it has been generally acknowledged that life-cycle bridge analysis can be a systematic tool to address efficient and effective bridge management under uncertainty life-cycle management at the bridge network level can lead to an improvement in the allocation of limited financial resources, ensuring the safety and functionality of the bridge network life-cycle management of bridges and bridge networks based on resilience and sustainability can improve their resistance and robustness to extreme events such as earthquakes, tsunamis, floods, and hurricanes bridge management should consider the impact of environmental conditions and climate change This book addresses important concepts and approaches developed recently on bridge safety, maintenance, and management in a life-cycle context. Bridge life-cycle performance and cost analysis, prediction, optimization, and decision making under uncertainty are discussed. The major topics include bridge safety and service life prediction; bridge inspection and structural health monitoring; bridge maintenance; life-cycle bridge and bridge network management; optimum life-cycle bridge management planning; resilience and sustainability of bridges and bridge networks under hazards; and bridge management considering climate change. By providing practical applications of the presented concepts and approaches, this book can help students, researchers, practitioners, infrastructure owners and managers, and transportation officials to build up their knowledge of life-cycle bridge performance and cost management at both project level and network level under various deteriorating mechanisms, hazards and climate change effects.

The Wiley-Blackwell Handbook of the Psychology of Coaching and Mentoring Jonathan Passmore 2016-08-08 A state-of-the-art reference, drawing on key contemporary research to provide an in-depth, international, and competencies-based approach to the psychology of coaching and mentoring. Puts cutting-edge evidence at the fingertips of organizational psychology practitioners who need it most, but who do not always have the time or resources to keep up with scholarly research Thematic chapters cover theoretical models, efficacy, ethics, training, the influence of emerging fields such as neuroscience and mindfulness, virtual coaching and mentoring and more Contributors include Anthony Grant, David Clutterbuck, Susan David, Robert Garvey, Stephen Palmer, Reinhard Stelter, Robert Lee, David Lane, Tatiana Bachkirova and Carol Kauffman With a Foreword by Sir John Whitmore

Selected Water Resources Abstracts 1975

Design manual for roads and bridges Highways Agency 2011-04-04 Supersedes HA 213/08 (ISBN 9780115530180) from vol. 11, section 3. Dated February 2011

Effective Surveillance for Homeland Security Francesco Flammini 2013-06-10 Effective Surveillance for Homeland Security:

Balancing Technology and Social Issues provides a comprehensive survey of state-of-the-art methods and tools for the surveillance and protection of citizens and critical infrastructures against natural and deliberate threats. Focusing on current technological challenges involving multi-disciplinary prob

The Home Recording Studio Guide v.2.0

Research in the Social Scientific Study of Religion, Volume 16 Ralph L. Piedmont 2005-12-01 Various articles are presented covering psychological, sociological and cross-cultural topics or relevance to religious/spiritual researchers and academics.

RDS-1 Operations Manual Wilfred White 2015-06-21 The RDS-1 was created as a prototype for evaluation of a complex, portable, turnkey, video / audio recording studio for today's Concert Video Producers, TV Producers, industrial Media departments, high end Videographer, or well-funded Band that wants to produce their own video segments. The 24 track 24 bit hard disk recording deck from Mackie takes the 24 tracks from the 2 on board retractable Mackie 1604 VLZ mixing boards and cleanly records them onto a removable computer hard disk. This unit also provides equipment to direct a 6 video camera crew including video screens, preview and program out switchers and an intercom system. Even though major pieces of equipment like the Makie 24/96 hard disk recorder are out of production there are a number of even better recorders that can take its place when you decide to make your own recording console. This book will be an invaluable tool at the design stage as well as a guide to write your own OPERATIONS MANUAL. Captain Willy

Bodies in Revolt: Gender Disability and a Workplace Ethic of Care Ruth O'Brien 2013-08-21 Bodies in Revolt argues that the Americans with Disabilities Act (ADA) could humanize capitalism by turning employers into care-givers, creating an ethic of care in the workplace. Unlike other feminists, Ruth O'Brien bases her ethics not on benevolence, but rather on self-preservation. She relies on Deleuze's and Guttari's interpretation of Spinoza and Foucault's conception of corporeal resistance to show how a workplace ethic that is neither communitarian nor individualistic can be based upon the rallying cry "one for all and all for one."

Proceedings of the Canadian Society of Civil Engineering Annual Conference 2021 Scott Walbridge 2022-06-16 This book comprises the proceedings of the Annual Conference of the Canadian Society of Civil Engineering 2021. The contents of this volume focus on specialty conferences in construction, environmental, hydrotechnical, materials, structures, transportation engineering, etc. This volume will prove a valuable resource for those in academia and industry.

Urban Water Reuse Handbook Saeid Eslamian 2016-01-05 Examining the current literature, research, and relevant case studies, presented by a team of international experts, the Urban Water Reuse Handbook discusses the pros and cons of water reuse and explores new and alternative methods for obtaining a sustainable water supply. The book defines water reuse guidelines, describes the historical and curren

Manager's Summary--ecological Studies of the Pryor Mountain Wild Horse Range, 1992-1997 1997

Riparian and Aquatic Habitat Management in the Albuquerque Field Office -- New Mexico 1999

The SAGE Handbook of Drug & Alcohol Studies Torsten Kolind 2016-08-31 With contributions from leading international academics across the social sciences, this accessible takes a critical look at the key contemporary issues and debates in the field. The 39 chapters are divided into three parts: · Part I Central Social Science Theories Drug and Alcohol Studies · Part II Pillars in Social Science Drug and Alcohol Studies · Part III Controversies and New Approaches in Social Science Drug and Alcohol Studies This Handbook is an excellent reference text for the growing number of academics, students, scientists and practitioners in the drug and alcohol studies community.

Handbook of Radiotherapy Physics P Mayles 2007-06-12 From background physics and biological models to the latest imaging and treatment modalities, the Handbook of Radiotherapy Physics: Theory and Practice covers all theoretical and practical aspects of radiotherapy physics. In this comprehensive reference, each part focuses on a major area of radiotherapy, beginning with an introduction by the editors and then subdividing into self-contained chapters. The first three parts present the fundamentals of the underlying physics, radiobiology, and technology involved. The ensuing sections discuss the support requirements of external beam radiotherapy, such as dose measurements, properties of clinical beams, patient dose computation, treatment planning, and quality assurance, followed by a part that explores exciting new advances that include developments in photon and particle therapy. Subsequent sections examine brachytherapy using sealed and unsealed sources and provide the framework of radiation protection, including an appendix that describes the detailed application of UK legislation. The final part contains handy tables of both physical constants and attenuation data. To achieve safe and effective radiotherapy, there needs to be a close understanding among various disciplines. With contributions from renowned specialists, the Handbook of Radiotherapy Physics: Theory and Practice provides essential theoretical and practical knowledge for medical physicists, researchers, radiation oncologists, and radiation technologists.