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IAEG/AEG Annual Meeting Proceedings, San Francisco, California, 2018 - Volume 1 Abdul Shakoor 2018-09-26 This book is one out of six IAEG XIII Congress and AEG 61st Annual Meeting proceeding volumes, and deals with topics related to slope stability including case histories, landslide

mapping, and emerging technologies. The theme of the IAEG/AEG Meeting, held in San Francisco from September 17-21, 2018, is Engineering Geology for a Sustainable World. The meeting proceedings analyze the dynamic role of engineering geology in our changing world. The meeting topics and subject areas of the six

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volumes are: Slope Stability: Case Histories, Landslide Mapping, Emerging Technologies; Geotechnical and Environmental Site Characterization; Mining, Aggregates, Karst; Dams, Tunnels, Groundwater Resources, Climate Change; Geologic Hazards: Earthquakes, Land Subsidence, Coastal Hazards, and Emergency Response; and Advances in Engineering Geology: Education, Soil and Rock Properties, Modeling.

Dialogic Inquiry Gordon Wells 1999-08-28 A view of Vygotsky's unique vision of education.

LINC Classroom

Activities Algonquin College 2009 "This book is a miscellany of language learning activities organized by the twelve themes in the LINC 1-5 Curriculum Guidelines. It is intended as a supplementary resource of self-contained and reproducible activities to complement existing LINC programming." -- Notes to readers.

Design-Based Concept

Learning in Science and Technology Education

Ineke Henze 2021-02-22 Design-Based Concept Learning in Science and Technology Education brings together contributions from researchers that have investigated what conditions need to be fulfilled to make design-based education work.

Introduction to 3-D Spatial Visualization

Beverly Gimmestad Baartmans 1996 This activities-based tutorial is designed to help first-year undergraduate students develop their 3-D spatial visualization skills. Adopting a multidisciplinary approach, it progresses systematically through physical model activities, paper and pencil activities, and computer activities.

An Introduction to Reservoir Simulation Using MATLAB/GNU Octave

Knut-Andreas Lie 2019-06-30 This book provides a self-contained introduction to the simulation of

flow and transport in porous media, written by a developer of numerical methods. The reader will learn how to implement reservoir simulation models and computational algorithms in a robust and efficient manner. The book contains a large number of numerical examples, all fully equipped with online code and data, allowing the reader to reproduce results, and use them as a starting point for their own work. All of the examples in the book are based on the MATLAB Reservoir Simulation Toolbox (MRST), an open-source toolbox popular in both academic institutions and the petroleum industry. The book can also be seen as a user guide to the MRST software. It will prove invaluable for researchers, professionals and advanced students using reservoir simulation methods. This title is also available as Open Access on Cambridge Core.

Technical Drawing Segun R. Bello 2012-12-27 This book was designed to help students acquire requisite knowledge and practical skills in technical drawing presentation and practices. The contents were scripted to prepare students for technical, diploma and degree examinations in engineering technology, technical vocations and draughtsmanship in other professions in the monotronics, polytechnics and universities. At the end of each chapter are lists of examination standard exercises that will help students perfect their skill and proficiency in technical drawing works. Therefore, student should be able to; Understand the principles and techniques of drawing presentation and projections in geometry Understand the applications of solid geometry Understand the principles and application of free hand sketching Understand the

principles of constructing conic-sections and development of surfaces

Accounting Principles

Roger H. Hermanson
2018-02-16 Accounting Principles: A Business Perspective uses annual reports of real companies to illustrate many of the accounting concepts in use in business today. Gaining an understanding of accounting terminology and concepts, however, is not enough to ensure your success. You also need to be able to find information on the Internet, analyze various business situations, work effectively as a member of a team, and communicate your ideas clearly. Accounting Principles: A Business Perspective will give you an understanding of how to use accounting information to analyze business performance and make business decisions. The text takes a business perspective. We use the annual reports of real companies to illustrate many of the

accounting concepts. You are familiar with many of the companies we use, such as The Limited, The Home Depot, and Coca-Cola Company. Gaining an understanding of accounting terminology and concepts, however, is not enough to ensure your success. You also need to be able to find information on the Internet, analyze various business situations, work effectively as a member of a team, and communicate your ideas clearly. This text was developed to help you develop these skills.

Nitride Semiconductor Light-Emitting Diodes (LEDs)

Jian-Jang Huang
2014-02-14 The development of nitride-based light-emitting diodes (LEDs) has led to advancements in high-brightness LED technology for solid-state lighting, handheld electronics, and advanced bioengineering applications. Nitride Semiconductor Light-Emitting Diodes (LEDs) reviews the fabrication, performance, and

applications of this technology that encompass the state-of-the-art material and device development, and practical nitride-based LED design considerations. Part one reviews the fabrication of nitride semiconductor LEDs. Chapters cover molecular beam epitaxy (MBE) growth of nitride semiconductors, modern metalorganic chemical vapor deposition (MOCVD) techniques and the growth of nitride-based materials, and gallium nitride (GaN)-on-sapphire and GaN-on-silicon technologies for LEDs. Nanostructured, non-polar and semi-polar nitride-based LEDs, as well as phosphor-coated nitride LEDs, are also discussed. Part two covers the performance of nitride LEDs, including photonic crystal LEDs, surface plasmon enhanced LEDs, color tuneable LEDs, and LEDs based on quantum wells and quantum dots. Further chapters discuss the development of LED encapsulation technology and the fundamental

efficiency droop issues in gallium indium nitride (GaInN) LEDs. Finally, part three highlights applications of nitride LEDs, including liquid crystal display (LCD) backlighting, infrared emitters, and automotive lighting. Nitride Semiconductor Light-Emitting Diodes (LEDs) is a technical resource for academics, physicists, materials scientists, electrical engineers, and those working in the lighting, consumer electronics, automotive, aviation, and communications sectors. Reviews fabrication, performance, and applications of this technology that encompass the state-of-the-art material and device development, and practical nitride-based LED design considerations. Covers the performance of nitride LEDs, including photonic crystal LEDs, surface plasmon enhanced LEDs, color tuneable LEDs, and LEDs based on quantum wells and

quantum dots Highlights applications of nitride LEDs, including liquid crystal display (LCD) backlighting, infra-red emitters, and automotive lighting

Annual Report Covering Calendar Year ... United States. National Aeronautics and Space Administration.

Aerospace Safety Advisory Panel 1994

Ecosystem Services and Poverty Alleviation

(OPEN ACCESS) Kate Schreckenber 2018-04-27 Understanding how to sustain the services that ecosystems provide in support of human wellbeing is an active and growing research area. This book provides a state-of-the-art review of current thinking on the links between ecosystem services and poverty alleviation. In part it showcases the key findings of the Ecosystem Services for Poverty Alleviation (ESPA) programme, which has funded over 120 research projects in more than 50 countries since 2010. ESPA's goal

is to ensure that ecosystems are being sustainably managed in a way that contributes to poverty alleviation as well as to inclusive and sustainable growth. As governments across the world map how they will achieve the 17 ambitious Sustainable Development Goals, most of which have poverty alleviation, wellbeing and sustainable environmental management at their heart, ESPA's findings have never been more timely and relevant. The book synthesises the headline messages and compelling evidence to address the questions at the heart of ecosystems and wellbeing research. The authors, all leading specialists, address the evolving framings and contexts for the work, review the impacts of ongoing drivers of change, present new ways to achieve sustainable wellbeing, equity, diversity, and resilience, and evaluate the potential contributions from conservation projects,

payment schemes, and novel governance approaches across scales from local to national and international. The cross-cutting, thematic chapters challenge conventional wisdom in some areas, and validate new methods and approaches for sustainable development in others. The book will provide a rich and important reference source for advanced students, researchers and policy-makers in ecology, environmental studies, ecological economics and sustainable development. The Open Access version of this book, available at <https://www.taylorfrancis.com/books/e/9780429016295>, has been made available under a Creative Commons Attribution-NonCommercial-No Derivatives 4.0 license. **Chemistry** Geoffrey Neuss 2014-08-14 This comprehensive Study Guide reinforces all the key concepts for the 2014 syllabus, ensuring students develop a clear

understanding of all the crucial topics at SL and HL. Breaking concepts down into manageable sections and with diagrams and illustrations to cement understanding, exam preparation material is integrated to build student confidence and assessment potential. Directly linked to the new Oxford Chemistry Course Book to extend and sharpen comprehension, this book supports maximum achievement in the course and assessment. About the series: Reinforce student understanding of all the crucial subject material. Fully comprehensive and matched to the most recent syllabuses, these resources provide a focused review of all important concepts, tangibly strengthening assessment potential. *A Writer's Guide to Characterization* Victoria Lynn Schmidt 2012-08-27 Develop compelling character arcs using the power of myth! In the best

novels, characters undergo dramatic changes that keep readers turning pages. A Writer's Guide to Characterization shows you how to develop such meaningful character arcs in your own work-- stories of transformation that will resonate with readers long after the story ends. In this comprehensive guide, author Victoria Lynn Schmidt examines cross-cultural archetypes to illustrate how they can make your work more powerful and compelling. Plus, you'll learn how to draw from Jungian psychology to add complexity and believability to your characters. Schmidt also provides: 40 lessons on character development (with examples from well-known films and novels) that you can apply to your own work Questionnaires and exercises to help you select male and female archetypes and adapt them to your story 15 classic animal archetypes (including

the coyote, snake, tiger, and butterfly) you can use to build convincing character profiles With A Writer's Guide to Characterization, you'll have the information you need to infuse the development of your characters with drama and authenticity.

Study and Master Geography Grade 11 CAPS Study Guide Helen Collett 2014-08-21

Spatial Analysis Along Networks Atsuyuki Okabe 2012-07-02 In the real world, there are numerous and various events that occur on and alongside networks, including the occurrence of traffic accidents on highways, the location of stores alongside roads, the incidence of crime on streets and the contamination along rivers. In order to carry out analyses of those events, the researcher needs to be familiar with a range of specific techniques. Spatial Analysis Along Networks provides a practical guide to the necessary statistical

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techniques and their computational implementation. Each chapter illustrates a specific technique, from Stochastic Point Processes on a Network and Network Voronoi Diagrams, to Network K-function and Point Density Estimation Methods, and the Network Huff Model. The authors also discuss and illustrate the undertaking of the statistical tests described in a Geographical Information System (GIS) environment as well as demonstrating the user-friendly free software package SANET. Spatial Analysis Along Networks: Presents a much-needed practical guide to statistical spatial analysis of events on and alongside a network, in a logical, user-friendly order. Introduces the preliminary methods involved, before detailing the advanced, computational methods, enabling the readers a complete understanding of the advanced topics. Dedicates a separate

chapter to each of the major techniques involved. Demonstrates the practicalities of undertaking the tests described in the book, using a GIS. Is supported by a supplementary website, providing readers with a link to the free software package SANET, so they can execute the statistical methods described in the book. Students and researchers studying spatial statistics, spatial analysis, geography, GIS, OR, traffic accident analysis, criminology, retail marketing, facility management and ecology will benefit from this book.

Rarity K.J. Gaston
2012-12-06 To say you are writing about rarity is to invite two kinds of response. Either one provokes a discussion of what rarity is, or some comment on the complexity of the subject. The objective of this book is to explore the nature of rarity, its complexity if you like, from one particular

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perspective on what rarity is. Primarily, it is an opportunity to review, to synthesize, and to question. The book is an attempt to draw together a vast body of literature, to extract from it some general principles, and to raise question marks over areas the foundations of which appear to be either absent or crumbling. A perusal of prefaces suggests that they often dwell as long upon what a book is not about, as upon what it does concern. True to such a tradition, I should state that this is specifically not a book about conservation, although in some quarters anything about rarity is viewed as something about conservation. Nor does it contain more than a passing reference to the undoubtedly important issues of the role of genetics in rarity. Examples have been drawn from a wide variety of taxa. They are, nonetheless, somewhat depauperate in cases from marine systems. In

part this bias results from the unevenness of my familiarity with the literature, in part it perhaps also reflects differences in the questions asked and approaches to the study of communities and assemblages in terrestrial and marine systems.

D-Modules, Perverse Sheaves, and Representation Theory

Ryoshi Hotta 2007-11-07

D-modules continues to be an active area of stimulating research in such mathematical areas as algebraic, analysis, differential equations, and representation theory. Key to D-modules, Perverse Sheaves, and Representation Theory is the authors' essential algebraic-analytic approach to the theory, which connects D-modules to representation theory and other areas of mathematics. To further aid the reader, and to make the work as self-contained as possible, appendices are provided as background for the theory of derived

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categories and algebraic varieties. The book is intended to serve graduate students in a classroom setting and as self-study for researchers in algebraic geometry, representation theory.

Absolute Clinical Radiation Oncology

Review Daniel M. Trifiletti 2019-01-22
This book provides a quick reference guide for clinicians in radiation oncology. It is designed to be an intuitive and easily reviewed study guide for board or maintenance of certification examinations, as well as a quick reference for residents and established radiation oncologists who need a refresher. The text begins with a general pearls chapter that radiation oncologists should consider in all aspects of their practice, including cancer visibility, dosing, counseling recommendations, and toxicity management. The subsequent chapters then delve into different

cancer disease sites, including pediatrics, central nervous system, head and neck, thoracic, breast, gastrointestinal, gynecologic, genitourinary, hematologic, soft tissue, palliative, and radiophysics/radiobiology. Within each chapter, each disease and its recommended approach is then summarized in only a few pages, allowing a focus on the most essential information. Bullet points, figures, tables, and images make for an intuitive reader experience. Recommendations are taken from the American Society for Radiation Oncology (ASTRO), the European Society for Radiation Oncology (ESTRO), and the National Comprehensive Cancer Network (NCCN). Planning guides for imaging, diagnosis, and staging offer readers a starting point in approaching each patient based on disease origin, and dosing guidelines then detail consideration for

treatment methods. Each chapter additionally includes disease-specific pearls and key points to test the knowledge reviewed in the chapters. Experts in the disease sites from the United States serve as senior authors on each chapter. The authors include all diseases associated with radiation oncology training to ensure a comprehensive resource for exam studying and clinical care.

Residents, trainees, and established radiation oncologists find this an ideal study resource for both board and certification exams, as well as an easily accessible aid during practice.

History Making and Present Day Politics

Hans Erik Stolten 2007

In this collection, some of South Africa's most distinguished historians and social scientists present their views on the importance of history and heritage for the transformation of the South African society. Although

popular use of history helped remove apartheid, the study of history lost status during the transition process. Some of the reasons for this, like the nature of the negotiated revolution, social demobilization, and individualization, are analyzed in this book. The combination of scholarly work with an active role in changing society has been a central concern in South African history writing. This book warns against the danger of history being caught between reconciliation, commercialization, and political correctness. Some of the articles critically examine the role of historians in ideological debates on gender, African agency, Afrikaner anti-communism, early South African socialism, and the role of the business world during late apartheid. Other contributions explore continuing controversies on the politics of public history in post-apartheid South Africa, describe the

implementation of new policies for history education, or investigate the use of applied history in the land restitution process and in the TRC. The authors also examine a range of new government and private initiatives in the practical use of history, including the establishment of new historical entertainment parks and the conversion of museums and heritage sites. For readers interested in nation building processes and identity politics, this book provides valuable insight.

Assessing Students with Special Needs Effie P.

Kritikos 2017-07-12
Previous edition written by: James A. McLoughlin, Rena B. Lewis.

New Models for Technical and Vocational Education and Training Makgato,

Moses 2020-12-18
Technical and vocational education and training at technical schools are major contributing factors in combating poverty, unemployment, and inequality. The primary purpose of

technical and vocational education and training is to prepare students and learners for the world of work and for a smooth transition from education institutions into the workplace. As the Fourth Industrial Revolution continues to create more radical changes in the labor market, experts are calling for a reform of education, including vocational education and training and adult and professional education. *New Models for Technical and Vocational Education and Training* is an essential scholarly research book that examines TVET and CET colleges and programs that provide intermediate skills to enhance students' chances of employability and entrepreneurship in Industry 4.0. The book explores knowledge in respect to workforce preparation, digital skills development, teaching and learning of TVET, flexibility and articulation of TVET to respond to work-integrated learning, and

reskilling and upskilling to avoid skill mismatches. It is ideal for TVET schools, academicians, curriculum designers, managers, training officers, administrators, vocational professionals, researchers, and students.

Advanced Technologies in Rehabilitation

Patrice L. Weiss 2009-01-01 The goal of this book is to bring together ideas from several different disciplines in order to examine the focus and aims that drive rehabilitation intervention and technology development. Specifically, the chapters in this book address the questions of what research is currently taking place to further develop rehabilitation, applied technology and how we have been able to modify and measure responses in both healthy and clinical populations using these technologies.

Language, Syntax, and the Natural Sciences

Ángel J. Gallego 2018-10-31 An exploration of human language from the perspective of the natural sciences, this outstanding book brings together leading specialists to discuss the scientific connection of language to disciplines such as mathematics, physics, chemistry and biology.

Business Math Cheryl Cleaves 2008-02-04 A helpful tool for students, this studyguide includes: HOW TO STUDY BUSINESS MATH topics, as well as CHAPTER REVIEWS: VOCABULARY, DRILL, APPLICATIONS for all chapters found in the text.

Safety and Security of Commercial Spent Nuclear Fuel Storage

National Research Council 2006-02-19 In response to a request from Congress, the Nuclear Regulatory Commission and the Department of Homeland Security sponsored a National Academies study to assess the safety and security risks of spent

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nuclear fuel stored in cooling pools and dry casks at commercial nuclear power plants. The information provided in this book examines the risks of terrorist attacks using these materials for a radiological dispersal device. Safety and Security of Commercial Spent Nuclear Fuel is an unclassified public summary of a more detailed classified book. The book finds that successful terrorist attacks on spent fuel pools, though difficult, are possible. A propagating fire in a pool could release large amounts of radioactive material, but rearranging spent fuel in the pool during storage and providing emergency water spray systems would reduce the likelihood of a propagating fire even under severe damage conditions. The book suggests that additional studies are needed to better understand these risks. Although dry casks have advantages over cooling pools,

pools are necessary at all operating nuclear power plants to store at least the recently discharged fuel. The book explains it would be difficult for terrorists to steal enough spent fuel to construct a significant radiological dispersal device.

The Story of My Life

Helen Keller 1903

Minimally Processed

Foods Mohammed Wasim

Siddiqui 2014-10-29

The safety and efficacy of minimal food processing depends on the use of novel preservation technologies. This book first examines what is meant by minimally processed foods, including fresh-cut, cooked-chilled, and part-baked products. Next explored are the technologies or methods to produce quality products in terms of safety and nutrition, including: edible coating, natural preservatives (i.e., antimicrobial, flavour enhancer, anti-browning), advanced packaging (active,

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antimicrobial, and modified or controlled atmosphere), and selected non-thermal techniques (high pressure, pulsed electric field, ultrasound, light). Preservation of food is crucial to achieving a secure and safe global food supply with the desired sensory quality. In addition, the increasing consumer demand for safe, ready-to-serve, ready-to-eat-and-cook products with minimal chemical preservatives has raised expectations. However, foods deemed minimally processed, such as fresh-cut fruits and vegetables, cooked-chilled, and half-baked foods, are delicate products that need special care in preparation, processing, storage, and handling. As a result, new technologies to develop minimally processed foods have aggressively advanced. Minimally Processed Foods: Technologies for Safety, Quality, and Convenience explores both the

definition of minimally processed foods and the methods and technologies used to achieve the safety and nutritional value consumers demand. About the Editors Mohammed Wasim Siddiqui, Bihar Agricultural University, Sabour, Bhagalpur, India Mohammad Shafiur Rahman, Sultan Qaboos University, Al-khod, Oman
CK-12 Engineering: An Introduction for High School Dale Baker
2010-09-05 The nature of engineering and it's societal impact are covered, as well as the educational and legal requirements needed to become an engineer. Engineers contribute to the development of many innovations that improve life. We investigate how engineers work to meet human needs; great engineering accomplishments of the past; and consider needs that engineering must meet in the future. Engineering design process, how it differs design processes, and how the implementation

of the design process effects the quality of the resulting design. The application of the principles of mathematics and science to the creation or modification of components, systems, and processes for the benefit of society are covered with a focus on the balance between quality, performance, and cost. How engineers use creativity and judgment to solve societal how problems; complex engineering problems are usually solved by teams are covered; as well as the intended desirable consequences and unintended undesirable consequences of engineering.

Use and Care of Drawing Instruments with Instructive Exercises

Eugene Dietzen Company
2012-12 German immigrant Eugene Dietzgen (1862-1929) founded his own Chicago engineering supply house in 1885. This 1930 pamphlet describes how best to use their drafting and drawing kits.

Knowing and Teaching Elementary Mathematics
Liping Ma 2010-03-26
Studies of teachers in the U.S. often document insufficient subject matter knowledge in mathematics. Yet, these studies give few examples of the knowledge teachers need to support teaching, particularly the kind of teaching demanded by recent reforms in mathematics education. *Knowing and Teaching Elementary Mathematics* describes the nature and development of the knowledge that elementary teachers need to become accomplished mathematics teachers, and suggests why such knowledge seems more common in China than in the United States, despite the fact that Chinese teachers have less formal education than their U.S. counterparts. The anniversary edition of this bestselling volume includes the original studies that compare U.S. and Chinese elementary school teachers' mathematical

understanding and offers a powerful framework for grasping the mathematical content necessary to understand and develop the thinking of school children. Highlighting notable changes in the field and the author's work, this new edition includes an updated preface, introduction, and key journal articles that frame and contextualize this seminal work.

System on the Farm 1919
Modelling and Control of Robot Manipulators

Lorenzo Sciavicco
2012-12-06 Fundamental and technological topics are blended uniquely and developed clearly in nine chapters with a gradually increasing level of complexity. A wide variety of relevant problems is raised throughout, and the proper tools to find engineering-oriented solutions are introduced and explained, step by step. Fundamental coverage includes: Kinematics; Statics and dynamics of manipulators; Trajectory planning and motion

control in free space. Technological aspects include: Actuators; Sensors; Hardware/software control architectures; Industrial robot-control algorithms. Furthermore, established research results involving description of end-effector orientation, closed kinematic chains, kinematic redundancy and singularities, dynamic parameter identification, robust and adaptive control and force/motion control are provided. To provide readers with a homogeneous background, three appendices are included on: Linear algebra; Rigid-body mechanics; Feedback control. To acquire practical skill, more than 50 examples and case studies are carefully worked out and interwoven through the text, with frequent resort to simulation. In addition, more than 80 end-of-chapter exercises are proposed, and the book is accompanied by a solutions manual containing the MATLAB

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code for computer problems; this is available from the publisher free of charge to those adopting this work as a textbook for courses.

Multiscale Finite Element Methods Yalchin Efendiev 2009-01-10 The aim of this monograph is to describe the main concepts and recent advances in multiscale finite element methods. This monograph is intended for the broader audience including engineers, applied scientists, and for those who are interested in multiscale simulations. The book is intended for graduate students in applied mathematics and those interested in multiscale computations. It combines a practical introduction, numerical results, and analysis of multiscale finite element methods. Due to the page limitation, the material has been condensed. Each chapter of the book starts with an introduction and description of the proposed methods and motivating examples.

Some new techniques are introduced using formal arguments that are justified later in the last chapter. Numerical examples demonstrating the significance of the proposed methods are presented in each chapter following the description of the methods. In the last chapter, we analyze a few representative cases with the objective of demonstrating the main error sources and the convergence of the proposed methods. A brief outline of the book is as follows. The first chapter gives a general introduction to multiscale methods and an outline of each chapter. The second chapter discusses the main idea of the multiscale finite element method and its extensions. This chapter also gives an overview of multiscale finite element methods and other related methods. The third chapter discusses the extension of multiscale finite element methods to nonlinear problems. The

fourth chapter focuses on multiscale methods that use limited global information.

On Art and Science Shyam

Wuppuluri 2019-11-02

Einstein once remarked "After a certain high level of technical skill is achieved, science and art tend to coalesce in aesthetics, plasticity, and form. The greatest scientists are always artists as well". In this volume, some of the world's leading thinkers come together to expound on the interrelations between sciences and arts. While one can segregate art and place it outside the scientific realm, it is, nevertheless, inextricably linked to our essential cognitive/emotional/perceptual modalities and abilities, and therefore lies alongside and in close contact with the method of science and philosophy. What inspiration can scientists draw from art and how can scientific spirit foster our understanding and creation of aesthetic

works? How are art and science grounded in our cognition? What role does perception play in science and art? Are criteria for beauty in art and science the same? How does evolution shape our understanding of art? How do science, art and scientific-artistic frameworks shape society as a whole and help us address its pressing issues? The epistemological and ontological aspects haunt artists, philosophers and scientists alike. The essays in this volume address these manifold questions while also elucidating the pragmatic role they play in our daily life.

Pediatric Imaging

Marilyn J. Siegel 2006

This new volume of The Core Curriculum Series is an indispensable guide for radiology residents' pediatric rotations and an excellent study tool for written boards or recertification exams. Like other volumes of The Core Curriculum Series, the book focuses

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on one rotation area and covers the essential information readers need to do well on the boards. The book is organized by anatomic system and presents key information about evaluation of various diseases with all current imaging modalities. The user-friendly format includes hundreds of illustrations, margin notes, key review points, chapter outlines, tables, bulleted lists, boxed text, and an easy-to-follow layout. A bound-in image bank CD-ROM contains all the images in the book. Users can view these images as JPG or PDF files, and can copy/paste or export the figures to programs such as PowerPoint.

Cry, the Beloved Country

Alan Paton 1953

Pedagogical Knowledge and the Changing Nature of the Teaching Profession

Sonia

Guerriero 2017 Highly qualified and competent teachers are fundamental for equitable and effective education

systems. Teachers today are facing higher and more complex expectations to help students reach their full potential and become valuable members of 21st century society. The nature and variety of these demands imply that teachers, more than ever before, must be professionals who make decisions based on a robust and updated knowledge base. This publication presents research and ideas from multiple perspectives on pedagogical knowledge - the knowledge of teaching and learning - and the changing nature of the teaching profession. It provides a modern account of teachers' professional competence, and how this relates to student learning. The report looks at knowledge dynamics in the teaching profession and investigates how teachers' knowledge can be measured. It provides precious insights into 21st century demands on teacher knowledge. This volume also offers a

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conceptual base for a future empirical study on teachers' knowledge. It will be a useful resource for those interested in understanding the different factors underlying high quality teaching through examining and outlining the complexity of the teaching profession. In particular, this publication will be of interest to teacher educators, educational leaders, policy makers and the research community.

Climate Change and Society Riley E. Dunlap
2015-08-24 Climate change is one of the most critical issues of the twenty-first century, presenting a major intellectual challenge to both the natural and social sciences. While there has been significant progress in natural science understanding of climate change, social science analyses have not been as fully developed. *Climate Change and Society* breaks new theoretical

and empirical ground by presenting climate change as a thoroughly social phenomenon, embedded in behaviors, institutions, and cultural practices. This collection of essays summarizes existing approaches to understanding the social, economic, political, and cultural dimensions of climate change. From the factors that drive carbon emissions to those which influence societal responses to climate change, the volume provides a comprehensive overview of the social dimensions of climate change. An improved understanding of the complex relationship between climate change and society is essential for modifying ecologically harmful human behaviors and institutional practices, creating just and effective environmental policies, and developing a more sustainable future. *Climate Change and Society* provides a useful tool in efforts to integrate social

science research, natural science research, and policymaking regarding climate change and sustainability. Produced by the American Sociological Association's Task Force on Sociology and Global Climate Change, this book presents a challenging shift from the standard climate change discourse, and offers a valuable resource for students, scholars, and professionals involved in climate change research and policy.

Statistical Tools for Finance and Insurance

Wolfgang Härdle 2005
Statistical Tools in Finance and Insurance presents ready-to-use solutions, theoretical developments and method construction for many practical problems in quantitative finance and insurance. Written by practitioners and leading academics in the field, this book offers a unique combination of topics from which every market analyst and risk manager will benefit.

Covering topics such as heavy tailed distributions, implied trinomial trees, support vector machines, valuation of mortgage-backed securities, pricing of CAT bonds, simulation of risk processes and ruin probability approximation, the book does not only offer practitioners insight into new methods for their applications, but it also gives theoreticians insight into the applicability of the stochastic technology.

Additionally, the book provides the tools, instruments and (online) algorithms for recent techniques in quantitative finance and modern treatments in insurance calculations. Written in an accessible and engaging style, this self-instructional book makes a good use of extensive examples and full explanations. The design of the text links theory and computational tools in an innovative way. All Quantlets for the

calculation of examples given in the text are supported by the academic edition of XploRe and may be executed via XploRe Quantlet Server (XQS). The downloadable electronic edition of the book enables one to run, modify, and enhance all Quantlets on the spot.

TNM-Atlas Bernd Spiessl
2013-04-17 Confronted with a myriad of T's, N's and M's in the **VICC TNM** booklet, classifying a malignancy may seem to many cancer clinicians a tedious, dull and pedantic task. But at a closer look at the **TNM Atlas** all of a sudden lifeless categories become vivid images, challenging the clinician's know-how and investigational skills. Brigit van der Werf-Messing, M.D. Professor of Radiology Past Chairman of the International TNM-Committee of the **VICC** Rotterdam, July 1982
Preface In 1938 the League of Nations Health Organization published an Atlas Illustrating

the Division of Cancer of the Uterine Cervix into Four Stages (J. Heyman, ed., Stockholm). Since this work appeared, the idea of visual representation of the anatomical extent of malignant tumours at the different stages of their development has been repeatedly discussed. At its meeting in Copenhagen in July 1954, the **DICC** adopted as part of its programme "the realization of a clinical atlas". However, the time to do the planned book of illustrations was not ripe until the national committees and international organizations had officially recognized the 28 classifications of malignant tumours at various sites as presented in the third edition of the **TNM Booklet** edited by M. Harmer (**TNM Classification of Malignant Tumours**, 1978). This was all the more important since publication of the **Booklet** was followed in 1980 by

publication of a

Brochure of Checklists,
edited by A.H.