

## D Knudson Springer

Extensively revised from a successful first edition, this book features a wealth of clear illustrations, numerous worked examples, and many problem sets. It provides the quantitative perspective missing from more descriptive texts, without requiring an advanced background in mathematics, and as such will be welcomed for use in courses such as biomechanics and orthopedics, rehabilitation and industrial engineering, and occupational or sports medicine.

The Fifth Report of the International Committee on Taxonomy of Viruses (ICTV), summarizes the proceedings and decisions reached by the ICTV at its meetings held at the International Congresses of Virology in Sendai (1984), Edmonton (1987) and Berlin (1990). This report has been organized in the same way as the previous ones (Wildy, 1971; Fenner, 1976; Matthews, 1979; 1982), yet it encompasses many more families and groups of viruses than previous reports, and it includes new tables, diagrams and keys. The officers and members of the ICTV study groups from 1984 to 1990 are listed, as the current ICTV statutes and rules of nomenclature. Information on the format for submission of new taxonomic proposals to the ICTV is also provided. Since the Fourth Report of the ICTV (1982), 19 new virus families and groups have been described. This report includes 2,430 viruses belonging to 73 families or groups, as well as virus satellites and viroids descriptions, but it does not include descriptions not approved by the ICTV. It now will be possible to publish such preliminary, and in some cases controversial, descriptions in the Virology Division pages of the Archives of Virology --this will allow virologists to carry on the kind of interim dialogue that is necessary for arriving at broad agreement on taxonomic matters.

This book presents fundamentals from the theory of algebraic surfaces, including areas such as rational singularities of surfaces and their relation with Grothendieck duality theory, numerical criteria for contractibility of curves on an algebraic surface, and the problem of minimal models of surfaces. In fact, the classification of surfaces is the main scope of this book and the author presents the approach developed by Mumford and Bombieri. Chapters also cover the Zariski decomposition of effective divisors and graded algebras.

This third edition introduces the exciting world of how human movement is created and how it can be enhanced. The book presents a comprehensive review of the major concepts of biomechanics and summarizes them in nine principles of biomechanics. Throughout the text are numerous examples of applying these principles to the work of kinesiology professionals with references to current biomechanics research. Specific case studies illustrate how biomechanics principles can be used in evidence-based practice by professionals to modify movement in teaching/coaching and exercise/rehabilitation settings. This text presents a clear, conceptual understanding of biomechanics and is designed to help students through active learning lab activities to link their personal experience to biomechanical concepts. Biomechanics instructors, researchers, and other professionals helping people to improve movement and decrease the risk of injury, as well as advanced students learning biomechanical principles in biomedical engineering, ergonomics, kinesiology, physics, and sports physiology will find *Fundamentals in Biomechanics*, 3rd edition invaluable. Key Features: Detailed examples of biomechanical principles and their application in the qualitative diagnosis of human movement in a variety of professions Over 160 figures illustrating real human movement Case studies of actual movement technique examined by professionals in human movement Extensive use of graphs, photographs, illustrations, and citations to important biomechanics literature Glossary of key terms and biomechanics research terminology Appendix of instructional lab activities Endorsements of the 2nd Edition: : "Fundamentals in Biomechanics delivers everything it promises, and more. The challenge of teaching and learning biomechanics is understanding the two distinct fields that it comprises - biology and mechanics. In my experience, some students enter biomechanics with aptitude and interest in one of these fields and reluctance to the others. As a leader in biomechanics, Dr. Knudson seems to realize this and does an expert job of teaching these two fields in separate parts of the textbook. The text is clearly written, and includes many helpful illustrations and examples." Glenn S. Fleisig, Ph.D., Smith and Nephew Chair of Research, American Sports Medicine Institute, Birmingham, AL "Fundamentals of Biomechanics is a wonderful and comprehensive treatment which meets the needs and interest of both students and educators! The text addresses the subject cohesively and solidly in a technical, yet very readable and effective manner...I'll use this text in my own summer course and recommend it to colleagues." Jani Macari Pallis, Ph.D., International Sports Engineering Association, San Francisco, CA.

This book addresses the premise that therapy can be understood, practiced, and researched as a discursive activity. Using varied forms of discourse analysis, it examines the cultural, institutional, and face-to-face communications that shape, and occur within, therapies that are discursively understood and practiced. By first providing an overview of commonalities across discursive therapies and research approaches, the authors discursively examine general aspects of therapy. Topics explored include subjectivity, psychological terms, institutional influences, therapeutic relationships, therapists' ways of talking and questioning, discursive ethics, and assessment of therapeutic processes and outcomes. This book offers a macro-analysis of the conversational practices of a discursively informed approach to therapy; as well as a micro-analysis of the ways in which language shapes and is used in a discursively informed approach to therapy. This book will interest practitioners seeking to better understand therapy as a discursive process, and discourse analysts wanting to understand therapy as discursive therapists might practice it.

*Comparative Kinesiology of the Human Body: Normal and Pathological Conditions* covers changes in musculoskeletal, neurological and cardiopulmonary systems that, when combined, are the three pillars of human movement. It examines the causes, processes, consequences and contexts of physical activity from different perspectives and life stages, from early childhood to the elderly. The book explains how purposeful movement of the human body is affected by pathological conditions related to any of these major systems. Coverage also includes external and internal factors that affect human growth patterns and development throughout the lifespan (embryo, child, adult and geriatrics). This book is the perfect reference for researchers in kinesiology, but it is also ideal for clinicians and students involved in rehabilitation practice. Includes in-depth coverage of the mechanical behavior of the embryo as one of the major determinants of human movement throughout the lifecycle Provides a comparison of human movement between normal and pathological conditions Addresses each body region in functional and dysfunctional kinesiological terms

Newly revised and updated, this classic text examines the impact of social forces on the aging process. It considers aging from personal, family, community, societal, and global perspectives. The sixth edition reflects significant changes in the field of social gerontology. It delves deeply into the life course paradigm to demonstrate how aging experiences are shaped by individuals'; pasts and by a sweeping range of social factors. It uses a diversity, equity, and inclusion lens to underscore how social and economic advantages and disadvantages can accumulate with aging. Chapters reflect the richness and complexity of family life, work and retirement, health, and community engagement. The book addresses landmark changes in laws and policies and highlights innovative developments to enhance the independence of elders. It emphasizes what an aging society means for people of all ages and generations, and the causes and consequences of pervasive ageism. Provocative essays explore contemporary ethical, legal, and social issues. Especially written for courses in social gerontology and sociology of aging, the book is also valuable for curricula in social work, allied health, and the ever-growing range of disciplines and professions that are affected by individual and population aging. The sixth edition offers several new features to enhance the teaching and learning experiences, including Stop and Think boxes to foster curiosity, critical thinking, and personal connections to the ideas; bullet-point summaries to reinforce chapter takeaways; and an updated and expanded Instructor's Manual. Purchase includes digital access for use on most mobile devices or computers. New to the Sixth Edition: Draws attention to the influence of the life course on aging Discusses how aging impacts people of all ages and generations Explores

what the changing behaviors and attitudes of younger cohorts might mean for the future of aging Leverages a diversity, equity, and inclusion lens to understand variability and inequality in aging Provides updated knowledge about family life, work and retirement, health, community engagement, and ageism Highlights landmark changes in laws and policies that affect aging, such as evolving health care policies and laws related to intergenerational obligations Describes innovative models and interventions to enhance the independence and integration of elders in their communities Incorporates new content and provocative essays on contemporary ethical, legal, and social issues Key Features: Presents information in straightforward, engaging prose that seamlessly integrates bodies of evidence Highlights how aging is often a shared experience resulting from interactions with a complex set of social forces Demonstrates how the aging of individuals and entire generations occurs within layers of social context Probes causes of variability and inequality in aging across social categories Reveals the presence and consequences of ageism for individuals and societies Looks in-depth at aging in America with an eye to a global context Introduces and applies contemporary theories of aging to specific topics to demonstrate their utility for aging science and practice

Finally a self-contained, one volume, graduate-level algebra text that is readable by the average graduate student and flexible enough to accommodate a wide variety of instructors and course contents. The guiding principle throughout is that the material should be presented as general as possible, consistent with good pedagogy. Therefore it stresses clarity rather than brevity and contains an extraordinarily large number of illustrative exercises.

Never before in the world of sports have coaches been privy to a method or style of practice that has handed them the reins to develop the best athletes in the world. One sport and one technique provide the necessary channels to follow addressing the very existence of a formula attributed to elite sporting success. The sport of tennis was used along with its collective technique in the forehand groundstroke, as the gateway to deliver to the coach and athlete a blueprint that encapsulates the requirements and demands vital in achieving a "top 10" ranking. A blueprint of the science and education, as one, is presented. The featured literature reviews, reiterated yet stylistically shaped with a multi-premise: to teach both the coach and athlete how to develop and achieve optimal performance success, synonymous with a "top 10" ranking, and to accommodate the academic: a guide on how to build, structure and freely evolve the literature review, serving as their own unique learning structures. Introducing the ground-breaking sports coaching phenomenon: the Optimal Performance Theory, and The V by Dr. B © – handing you what the sporting world has been awaiting: the formula behind optimal performance success.

Research and study in biomechanics has grown dramatically in recent years, to the extent that students, researchers, and practitioners in biomechanics now outnumber those working in the underlying discipline of mechanics itself. Filling a void in the current literature on this specialized niche, Principles of Biomechanics provides readers with a so

This path-breaking volume introduces Socio-Emotional Relationship Therapy for clinical work with troubled couples. Practice-focused and engaging, it integrates real-world knowledge of the intersections of gender, culture, power, and identity in relationships with empirical findings on the neurobiology of attraction. Case examples detail the process of therapists in the moment as they develop both their clinical skills and their understanding of the social contexts fueling couples' difficulties. Applications of the method, which can be used with same-sex couples as well as heterosexual ones, are shown in addressing infidelity, tapping into partners' spirituality, and modeling and encouraging mutual respect and support. Among the topics covered: Undoing gendered power in heterosexual couple relationships. Interpersonal neurobiology, couples, and the societal context. How gender discourses hijack couple therapy—and how it can be avoided. How SERT therapists develop interventions that address the larger context. Building a circle of care in same-sex couple relationships. Couple therapy with adult survivors of child abuse: gender, power, and trust. Socio-Emotional Relationship Therapy opens out practical new possibilities for marriage and family therapists, clinical psychologists, social workers, and counselors seeking ideas for more meaningful couples work.

This book focuses on the examination of forces that create entire body motion.

Forlagets beskrivelse: An interdisciplinary approach to the qualitative analysis of human movement. The authors explain how to blend experience and sport science to improve movement. The accompanying CD-ROM is designed to help the user improve their observational and analytical skills.

In the last few years, concerns about dancers' health and the consequences of physical training have increased considerably. The physical requirements and type of training dancers need to achieve to reach their highest level of performance while decreasing the rate of severe injuries has awakened the necessity of more scientific knowledge concerning the area of dance, in part considering its several particularities. Scientific Perspectives and Emerging Developments in Dance and the Performing Arts is a pivotal reference source that provides vital research designed to reduce the gap between the scientific theory and the practice of dance. While highlighting topics such as burnout, mental health, and sport psychology, this publication explores areas such as nutrition, psychology, and education, as well as methods of maintaining the general wellbeing and quality of the health, training, and performance of dancers. This book is ideally designed for dance experts, instructors, sports psychologists, researchers, academicians, and students.

"Qualitative Diagnosis of Human Movement: Improving Performance in Sport and Exercise, Third Edition," focuses on the processes behind assessment and diagnosis of movement technique, emphasizing the elements of professional intervention in diagnosis.

Designed to meet the needs of undergraduate students, "Introduction to Biomechanics" takes the fresh approach of combining the viewpoints of both a well-respected teacher and a successful student. With an eye toward practicality without loss of depth of instruction, this book seeks to explain the fundamental concepts of biomechanics. With the accompanying web site providing models, sample problems, review questions and more, Introduction to Biomechanics provides students with the full range of instructional material for this complex and dynamic field.

Widely adopted, this valued course text and practitioner guide has expanded the understanding of family normality and healthy functioning in our increasingly diverse society. The editor and contributors are at the forefront of research and clinical training. They describe the challenges facing contemporary families and ways in which clinicians can promote resilience. With consideration of sociocultural and developmental influences, chapters identify key family processes that nurture and sustain strong bonds in couples; dual-earner, divorced, single-parent, remarried, adoptive, and kinship care families; gay and lesbian families; culturally diverse families; and those coping with adversity, such as trauma,

poverty, and chronic illness. New to This Edition\*Reflects important research advances and the changing contexts of family life.\*Additional chapter topics: kinship care, family rituals, evidence-based assessment, and neurobiology.\*All chapters have been fully updated.

Underscores the critical importance of effective writing in the justice system and how to achieve it This user-friendly guide to effective writing for the justice system teaches readers to write cogently and accurately across the spectrum of criminal justice-related disciplines. With an examination of common writing problems that interfere with good reporting and documentation, it underscores the importance of skilled written communication as a cornerstone of competent practice within criminology. It provides examples of strong writing that demonstrate communication of cultural competency and help students develop critical thinking/writing skills. Of outstanding value are numerous examples of real-world writing alongside discussion questions and explanations, enabling students to think critically and truly understand what constitutes good writing. Actual forms and records used in practice are included along with real-world writing examples drawn from all areas of practice: police, corrections, probation and parole services, social work, miscellaneous court documents, and victim advocate services. The book's interactive approach to writing includes forms on which students can practice their skills, practice tests, and chapters organized around the standard curriculum taught in most criminal justice programs. Key Features: Addresses the increasingly common issue of student deficiencies in cultural competency and critical thinking as they relate to writing skills Offers an interactive approach based on real practice and tied to students' interests Includes examples of good and poor writing, with corrections and explanations for the "bad" examples Displays actual forms and records used by law enforcement agencies, correctional departments, and related organizations Fosters the development of critical and culturally competent writing skills

Biomedical Engineering Principles in Sports contains in-depth discussions on the fundamental biomechanical and physiological principles underlying the acts of throwing, shooting, hitting, kicking, and tackling in sports, as well as vision training, sports injury, and rehabilitation. The topics include: -Golf ball aerodynamics and golf club design, -Golf swing and putting biomechanics, -Tennis ball aerodynamics and ball- and shoe-surface interactions, -Tennis stroke mechanics and optimizing ball-racket interactions, -Baseball pitching biomechanics and perceptual illusions of batters, -Football forward pass aerodynamics and tackling biomechanics, -Soccer biomechanics, -Basketball aerodynamics and biomechanics, -Vision training in sports, -Children maturation and performance, -Rehabilitation and medical advances in treatment of sports injuries. This book is essential reading for biomedical engineers, physicists, sport scientists, and physiologists who wish to update their knowledge of biomechanical and biomedical principles and their applications to sports. The book can be used in a one-semester Senior or Graduate-level course in Biomechanics, Biomedical Engineering, Sports Technology, Sports Medicine, or Exercise Physiology. In addition, it will be of value to interested athletic laypersons who enjoy watching or participating in sports such as golf, tennis, softball, football, soccer, and basketball.

Widely adopted, this valued course text and practitioner guide has expanded our understanding of the diversity and complexity of "normal" families today. Froma Walsh and her contributing authors are at the forefront of family systems research and clinical training. They describe the challenges facing contemporary families and ways in which clinicians can promote well-being and resilience. Thoroughly revised and updated to reflect important research advances and the changing contexts of family life, the fourth edition covers new topics including evidence-based assessment, neurobiology, kinship care, and family rituals. The introductory section by Walsh surveys emerging trends in family life; critically examines views of family normality, health, and dysfunction; and provides a strengths-based framework for clinical practice. Subsequent sections present cutting-edge research on varied family structures and sociocultural and developmental contexts, highlighting implications for assessment and intervention. The book identifies processes that nurture and sustain strong bonds in couples; dual-earner, divorced, single-parent, and remarried families; gay and lesbian families; and adoptive and kinship care families. It discusses how families are influenced by social and economic constraints, changing gender norms, immigration experiences, and spirituality. It examines the multigenerational family life cycle and describes key family processes for coping and resilience, with attention to the normative strains of childrearing as well as major stressors such as trauma, loss, and chronic illness or disability. Rounding out the volume, the final section reviews the state of the science of family assessment and probes genetic and neurobiological interactions with family processes. Shifting the focus from how families fail to how they can succeed, this book is essential reading for therapists and counselors, as well as instructors and graduate students in family therapy, psychology, social work, counseling, nursing, and related fields. It is a uniquely informative and authoritative text for graduate-level courses.

The first edition of this publication was aimed at defining the current concepts of trauma induced coagulopathy by critically analyzing the most up-to-date studies from a clinical and basic science perspective. It served as a reference source for any clinician interested in reviewing the pathophysiology, diagnosis, and management of the coagulopathic trauma patient, and the data that supports it. By meticulously describing the methodology of most traditional as well as state of the art coagulation assays the reader is provided with a full understanding of the tests that are used to study trauma induced coagulopathy. With the growing interest in understanding and managing coagulation in trauma, this second edition has been expanded to 46 chapters from its original 35 to incorporate the massive global efforts in understanding, diagnosing, and treating trauma induced coagulopathy. The evolving use of blood products as well as recently introduced hemostatic medications is reviewed in detail. The text provides therapeutic strategies to treat specific coagulation abnormalities following severe injury, which goes beyond the first edition that largely was based on describing the mechanisms causing coagulation abnormalities. Trauma Induced Coagulopathy 2nd Edition is a valuable reference to clinicians that are faced with specific clinical challenges when managing coagulopathy.

This comprehensive text thoroughly reviews the theories and history of racism, the sociology of and the psychology of racism, intergroup relations and intergroup conflict, and how racism is manifested institutionally, between groups, and between people, providing a unique view of the connections between these multiple perspectives. Readers can then apply this knowledge to their work as helping professionals. Students learn to explore their own biases and how they influence their view of themselves and others, which strengthens their work with future clients. Fulfilling NASW and CSWE cultural competency requirements, this book teaches socially just practices to helping professionals from any discipline. Many people want to dismantle racism but they do not know how. This book gets us closer to that goal. Using critical race theory as a conceptual framework, the text analyzes all levels of racism: personal, professional, institutional, and cultural. Integrating theory, research, and practice, racism is linked to other forms of oppression with an emphasis on how helping professionals can respond. Tips on how to facilitate racial dialogues are provided. Early chapters map out the contours of racism and later chapters emphasize how to dismantle it. Readers appreciate the book's sensitive approach to this difficult topic. Examples and exercises encourage insight into understanding racism, and insightful analyses offer strategies, solutions, and hope. Readers learn to respond to racism in all contexts including working with individuals, families, groups, organizations, and communities. NEW TO THE SECOND EDITION: Reflects recent sociopolitical changes including "Islamophobia" the Obama presidency, the murders of young men of color by police, the racialization of the criminal justice system, and current immigration issues. More cases and experiential exercises help readers explore how racism is manifested and how to incorporate the lessons learned into future working environments. More emphasis on the intersectionality of racism and other social oppressions including class, gender, sexual orientation, citizenship, immigration experiences, and disability to give readers a better understanding of the relationship between these issues. PowerPoints and Instructor's resources with sample syllabi, teaching tips, and suggested videos and related websites. An ideal text for advanced courses on racism, oppression, diversity, prejudice and discrimination, or racism and professional practice, this book also appeals to helping professionals (social workers, psychologists, counselors, and nurses) who need to understand racism to better serve their clients.

Resource-Based and Evolutionary Theories of the Firm: Towards a Synthesis explores the intersection of evolutionary theories of the firm with an emergent body of research in the field of strategic management that has been broadly referred to as the 'resource-based view of the firm'. The volume approaches strategic questions from several vantage points, thereby fostering a useful cross-fertilization of ideas. The views presented spring from a variety of sources, namely the principles of strategic management, organisation economics, and population ecology.

Presents an insightful, interdisciplinary approach for preventing elder abuse Encompassing the contributions of leading scholars in public health and gerontology, this is a rich repository of key ideas, concepts and issues regarding elder abuse and the role of public health initiatives in its prevention. The text frames elder abuse as a public health problem, stressing that efforts toward prevention is well within the scope of work performed by public health professionals. It describes major public policy/public health initiatives as they relate to elder abuse, analyzes elder abuse as a global and human rights issue, and supports the development of core competencies for public health work to prevent elder abuse. The text describes in detail major theoretical and applied issues within elder abuse and grounds these issues within the core functions and essential services of public health. It then addresses skill development using the core competencies for public health professionals. The book is the first to tie the core functions and essential public health services to core public health competency domains and creates a topic-specific framework for effective public health practice. An annotated section includes the most up-to-date resources for both public health and elder abuse, including toolkits, stakeholder lists, and references. A discussion of future directions for the field sets the agenda for a committed interdisciplinary approach to ameliorating and preventing elder abuse. Key Features: Grounds elder abuse prevention within the core functions and essential services of public health Provides a storehouse of scientific and practical information on elder abuse Stresses skill development using core competencies for public health professionals Encompasses the contributions of outstanding leaders in public health and gerontology Includes news stories, illustrative case examples, resources, blogs, and webinars

This unprecedented volume provides a primer on diverse couples and families—one of the most numerous and fastest-growing populations in the United States—illustrating the unique challenges they face to thrive in various cultural and social surroundings. • Offers an examination of a broader-than-typical array of diverse families and the challenges they face • Includes case vignettes of couples and families of varying racial/ethnic, socioeconomic, religious/spiritual, and sexual orientations, the subgroups among them, and their intersections • Examines issues including social disparities, stereotyping and discrimination, identity development, and the roles of neighborhoods and communities • Written to allow easy incorporation as a textbook or supplemental text • Includes highlighted "Myths and Realities" with each chapter as well as a list of additional resources and cultural competence take-aways after each section

Socioculturally Attuned Family Therapy addresses the need for socially responsible couple, marriage, and family therapy that infuses diversity, equity, and inclusion throughout theory and clinical practice. The text begins with a discussion of societal systems, diversity, and socially just practice. The authors then integrate principles of societal context, power, and equity into the core concepts of ten major family therapy models, paying close attention to the "how to's" of change processes through a highly diverse range of case examples. The text concludes with descriptions of integrative, equity-based family therapy guidelines that clinicians can apply to their practice.

Power is an inherent feature of social interactions, yet it is hard to define and therefore understand. This book is the first to organize current interdisciplinary theorizing and research about power from leading academics in areas such as social psychology, communications, family studies, and public health. It also focuses exclusively on how power

operates and affects close relationship processes, while the theoretical insights provided point the way toward new lines of research and understanding. Using specific examples to illustrate complex theoretical explanations and supplying thorough descriptions of the existing literature on power in close relationships, this book is an essential resource for researchers, professionals, students, or laypeople seeking to better understand how power operates in those relationships that are most important to us.

State-of-the-art developments in multiple new technologies for older adult care Grounded in a unique team-based geriatrics perspective, this book delivers a broad range of current, evidence-based knowledge about innovative technology that has the potential to advance the care and well being of older adults. It provides key information about the development, selection, and implementation of technology products, and describes research evidence, education-based initiatives, and systems thinking. The book also examines challenges and barriers to implementation, adoption and innovation. From telehealth and assistive technology in the home to simulation and augmented reality in educational settings, the text provides a hands-on, field-tested articulation of how products can aid in the transitional care process, chronic care delivery, and geriatrics/gerontology education. It discusses technology developments in rural areas, home telehealth, wearable technology, personalized medicine, social robots, technology to assist seniors with cognitive impairments, the potential of artificial intelligence to enhance health care of older adults. The text is written to help health care professionals select the appropriate technology for their needs. Key Features: Describes the most current technology resources, evidence, and developments for older adult care Based on a team-centered approach Written by interprofessional health care providers experienced in implementing, developing and adopting technology to assist older adults Includes case studies depicting technology-related successes and failures Addresses the challenges, barriers, and opportunities for transforming aging with technology across transitions of care

Fundamentals of Biomechanics introduces the exciting world of how human movement is created and how it can be improved. Teachers, coaches and physical therapists all use biomechanics to help people improve movement and decrease the risk of injury. The book presents a comprehensive review of the major concepts of biomechanics and summarizes them in nine principles of biomechanics. Fundamentals of Biomechanics concludes by showing how these principles can be used by movement professionals to improve human movement. Specific case studies are presented in physical education, coaching, strength and conditioning, and sports medicine.

The Hudson River Estuary is a comprehensive look at the physical, chemical, biological and environmental management issues that are important to our understanding of the Hudson River. Chapters cover the entire range of fields necessary to understanding the workings of the Hudson River estuary; the physics, bedrock geological setting and sedimentological processes of the estuary; ecosystem-level processes and biological interactions; and environmental issues such as fisheries, toxic substances, and the effect of nutrient input from densely populated areas. This 2006 book places special emphasis on important issues specific to the Hudson, such as the effect of power plants and high concentrations of PCBs. The chapters are written by specialists at a level that is accessible to students, teachers and the interested layperson. The Hudson River Estuary is a fascinating scientific biography of a major estuary, with relevance to the study of any similar natural system in the world.

Fundamentals of Biomechanics Springer Science & Business Media

Technoscientific developments often have far-reaching consequences, both negative and positive, for the public. Yet, because science has the authority to decide which judgments about scientific issues are sound, public concerns are often dismissed because they are not part of the technoscientific paradigm they question. This book addresses the role of science popularization in that paradox; it explains how science writing works and argues that it can do better at promoting public discussions about science-related issues. To support these arguments, it situates science popularization in its historical and cultural context; provides a conceptual framework for analyzing popular science texts; and examines the rhetorical effects of common strategies used in popular science writing. Twenty-six years after Dorothy Nelkin's groundbreaking book, *Selling Science: How the Press Covers Science and Technology*, popular science writing is still not meeting its potential as a public interest genre; *Communicating Popular Science* explores how it can move closer to doing so.

MASTERING COMPETENCIES IN FAMILY THERAPY: A PRACTICAL APPROACH TO THEORY AND CLINICAL CASE DOCUMENTATION, 3rd Edition enables faculty to easily measure clinical competencies as required by accrediting bodies for counseling, family therapy, psychology, and social work. Using an inviting and engaging tone, Diane R. Gehart introduces students to family therapy theories using real-world clinical forms, which are incorporated into the text. Diversity and research considerations are integrated into theoretical discussions and practical applications to facilitate a more holistic understanding of couple and family therapy. Updated throughout, this edition includes new and revised treatment forms; a new model based on the work of Karl Tomm that facilitates cross-theoretical comparison; coverage of two new theories (integrative behavioral couple's theory, a leading evidence-based treatment; and intensive structural therapy); and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

De acuerdo con la Organización Mundial de la Salud, más de 1 000 millones de personas padecen algún tipo de discapacidad. En México, de acuerdo con el último censo del Instituto Nacional de Estadística, Geografía e Informática (INEGI), la prevalencia se acerca a los ocho millones de personas. La discapacidad motora es polifacética y se podría decir que las personas que la padecen enfrentan cuatro retos principales: la limitación per se, el autoconcepto que ello genera, los prejuicios socioculturales y las barreras físicas. Easter Seal proclama que «lo peor de una discapacidad es que la gente la ve antes de verte a ti». Más aún, las dificultades que entraña la discapacidad impactan en la postura mental al grado de que personajes con una portentosa autoestima como Muhammad Ali, declaraba: «Hubo periodos de frustración y depresión, los cuales tuve que combatir tan vigorosamente como a cualquiera de los oponentes que enfrenté en el ring». Sin embargo, la buena actitud ayuda: Óscar Pistorius narra que «mi madre nos decía "Carl, ponte tus zapatos. Óscar, ponte tus prótesis", entonces crecí pensando no que tenía una discapacidad, sino que tenía un par de zapatos diferentes». Stephen Hawking proponía: «Mi consejo a otras personas con discapacidad sería concentrarse en cosas que su discapacidad no les impide hacer bien, y no lamentar las cosas con las que interfiere. No seas incapacitado tanto en espíritu como físicamente». Sin embargo, no todas las personas con discapacidad son afortunadas de contar con apoyo. De hecho, la enorme mayoría carece de los soportes más elementales, como decía Stella Young: «Mi discapacidad no existe porque uso una silla de ruedas, sino porque el entorno más amplio no es accesible». El objetivo central de Actividad motora: un acercamiento integral es aportar información científica sustentada en la experiencia de sus autores a diferentes niveles de su quehacer profesional, para orientar las acciones en favor de mejorar las condiciones de vida de las personas que padecen algún tipo de discapacidad psicomotriz. Así, y de acuerdo con el propio Stephen Hawking, que postulaba: «Me he dado cuenta de que incluso las personas que dicen que todo está predestinado y que no podemos hacer nada para cambiar nuestro destino, siguen mirando a ambos lados antes de cruzar la calle», el desarrollo de investigaciones científicas se

encumbra como la vía que ha de favorecer el mejoramiento de la calidad de vida de las personas con discapacidad, ¡urge!, porque, de acuerdo con Christy Brown, «la esperanza que se demora es tormento para el corazón».

"[A] comprehensive, critical, empirical, and practical compilation of investigations about how diverse couples are trying to implement change and pursue equality in their relationships." -Katherine R. Allen, PhD Virginia Polytechnic Institute & State University "[A] true gift to couple research. The studies reported in this marvelously disciplined collection hold living implications for couples and their therapists." -Evan Imber-Black Director, Center for Families and Health, Ackerman Institute for the Family While numerous couples strive for equality in their relationships, many are unaware of the insidious ways in which gender and power still affect them—from their career choices to communication patterns, child-rearing, housework, and more. Written for mental health professionals and others interested in contemporary couple relationships, this research-based book shows how couples are able to move beyond the dangers of gendered inequality and the legacy of hidden male power. The book analyzes the relationships of couples from various racial, ethnic, and socioeconomic backgrounds. The contributors present innovative clinical interventions, and suggest strategies therapists can use to help couples transform their relationships from being gender-based to equality-based. Explores these key issues: The risks of being in a relationship ruled by "gender legacy" behavior The differences between couples who get caught in gender legacy patterns and those who do not Gender-based patterns across the life cycle, including newly formed couples; early marriage; child-rearing; mothering and fathering Gendered power in couples dealing with illness; ethnic and racial differences; immigration and displacement issues

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