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College Success

"Information Systems: A Manager's Guide to Harnessing Technology is intended for use in undergraduate and/or graduate courses in Management Information Systems and Information Technology."--Open Textbook Library.

Information Systems

Oehlert's text is suitable for either a service course for non-statistics graduate students or for statistics majors. Unlike most texts for the one-term grad/upper level course on experimental design, Oehlert's new book offers a superb balance of both analysis and design, presenting three practical themes to students: • when to use various designs • how to analyze the results • how to recognize various design options Also, unlike other older texts, the book is fully oriented toward the use of statistical software in analyzing experiments.

A First Course in Design and Analysis of Experiments

This is part two of two for College Physics. This book covers chapters 18-34. Please note: The text and images in this textbook are grayscale and the format size has been reduced from 8.5" x 11" to 7.44" x 9.69." This introductory, algebra-based, two-semester college physics book is grounded with real-world examples, illustrations, and explanations to help students grasp key, fundamental physics concepts. College Physics includes learning objectives, concept questions, links to labs and simulations, and ample practice opportunities to solve traditional physics application problems.

College Physics

Choosing & Using Sources presents a process for academic research and writing, from formulating your research question to selecting good information and using it effectively in your research assignments. Additional chapters cover understanding types of sources, searching for information, and avoiding plagiarism. Each chapter includes self-quizzes and activities to reinforce core concepts and

help you apply them. There are also appendices for quick reference on search tools, copyright basics, and fair use.

Choosing & Using Sources

Math in Society is a survey of contemporary mathematical topics, appropriate for a college-level topics course for liberal arts major, or as a general quantitative reasoning course. This book is an open textbook; it can be read free online at <http://www.opentextbookstore.com/mathinsociety/>. Editable versions of the chapters are available as well.

Math in Society

"Is the tick a machine or a machine operator? Is it a mere object or a subject?" With these questions, the pioneering biophilosopher Jakob von Uexküll embarks on a remarkable exploration of the unique social and physical environments that individual animal species, as well as individuals within species, build and inhabit. This concept of the *umwelt* has become enormously important within posthumanist philosophy, influencing such figures as Heidegger, Merleau-Ponty, Deleuze and Guattari, and, most recently, Giorgio Agamben, who has called Uexküll "a high point of modern antihumanism." A key document in the genealogy of posthumanist thought, *A Foray into the Worlds of Animals and Humans* advances Uexküll's revolutionary belief that nonhuman perceptions must be accounted for in any biology worth its name; it also contains his arguments against natural selection as an adequate explanation for the present orientation of a species' morphology and behavior. *A Theory of Meaning* extends his thinking on the *umwelt*, while also identifying an overarching and perceptible unity in nature. Those coming to Uexküll's work for the first time will find that his concept of the *umwelt* holds new possibilities for the terms of animality, life, and the framework of biopolitics.

A Foray into the Worlds of Animals and Humans

"Behind the Message" is a thoroughly revised and updated text based on the highly regarded "Search Strategies in Mass Communication," used in many communication programs for 15 years. Written by two nationally recognized experts in information strategy, the book leads students step-by-step through the search and evaluation process while retaining the conceptual and intellectual overview that was the hallmark of "Search Strategies." It includes new materials and case studies that illustrate the search and evaluation process as it applies to news and strategic communications messages. Features A conceptual model of the information strategy process is visually illustrated in each chapter, helping students to systematically learn the information strategy process. Case studies of the information strategy process illustrate how each information contributor's materials are used in messages. A case study is included in the appendix that allows students to see concrete examples of the search process as applied to news and strategic communications messages. Cartoons in several chapters offer students a lighthearted look at some of the key concepts discussed in the text.

Business Communication for Success

Phonetics and Diction in Singing was first published in 1967. Minnesota Archive Editions uses digital technology to make long-unavailable books once again accessible, and are published unaltered from the original University of Minnesota Press editions. This book provides rules and illustrative examples for the study of songs and operas in the leading foreign languages of musical literature. The author is conductor and chorus master of the Metropolitan Opera. He has drawn the material from his larger book, *The Art of Accompanying and Coaching*, to provide a handbook or textbook especially suitable for use by voice teachers, singers, students in high schools, colleges, and schools of music, and members of choruses, church choirs, and opera workshops and their directors. Following a general discussion of phonetics and diction in singing there are separate chapters on Italian, French, Spanish, and German phonetics and diction. The text is illustrated with drawings and diagrams of vocal techniques and musical examples.

Behind the Message

'The Oxford Textbook of Neuromuscular Disorders' covers the scientific basis, clinical diagnosis, and treatment of neuromuscular disorders, with a particular focus on the most clinically relevant disorders

Phonetics and Diction in Singing: Italian, French, Spanish, German

This book provides practical strategies for managers and supervisors of human services agencies to use in assessing and successfully addressing workforce challenges. Each strategy is described with detailed instructions about how to assess the strategy, develop an intervention plan, and evaluate its effectiveness. Chapters also discuss how and why each strategy should be used. The book includes worksheets, forms, flow charts, and examples of how successful agencies have used these strategies.

Oxford Textbook of Neuromuscular Disorders

This textbook offers a superb introduction to theoretical and practical soil mechanics. Special attention is given to the risks of failure in civil engineering, and themes covered include stresses in soils, ground-water flow, consolidation, testing of soils, and stability of slopes. Readers will learn the major principles and methods of soil mechanics, and the most important methods of determining soil parameters both in the laboratory and in situ. The basic principles of applied mechanics, that are frequently used, are offered in the appendices. The author's considerable experience of teaching soil mechanics is evident in the many features of the book: it is packed with supportive color illustrations, helpful examples and references. Exercises with answers enable students to self-test their understanding and encourage them to explore further through additional online material. Numerous simple computer programs are provided online as Electronic Supplementary Material. As a soil mechanics textbook, this volume is ideally suited to supporting undergraduate civil engineering students. "I am really delighted that your book is now published. When I "discovered" your course a few years ago, I was elated to have finally found a book that immediately resonated with me. Your approach to teaching soil mechanics is precise, rigorous, clear, concise, or in other words "crisp." My colleagues who share the teaching of Soil Mechanics 1 and 2 (each course is taught every semester) at the UMN have also adopted your book." Emmanuel Detournay Professor at Dept. of Civil, Environmental, and Geo-Engineering, University of Minnesota, USA

Staff Recruitment, Retention, & Training Strategies for Community Human Services Organizations

The Brussels Effect offers a novel account of the EU by challenging the view that it is a declining world power. Anu Bradford explains how the EU exerts global influence through its ability to unilaterally regulate the global marketplace without the need to engage in neither international cooperation nor coercion.

An Introduction to Soil Mechanics

What is the nature of power in society and how can we study it? How do some lose and others benefit from the distribution of power? Why do some groups always seem to be at an advantage in disputes? In this useful and compact treatment, Keith Dowding provides an introduction to the study of political power that overcomes many of the old disputes about the nature and structure of power in society. Making the important distinction between power and luck, Dowding develops the concept of systematic luck and explains how some groups get what they want without trying, while the efforts of others are little rewarded. He discusses the "who benefits?" test, arguing that it cannot reveal who has power because many benefit through luck and others are systematically lucky. Power does not simply put forward theoretical arguments, however; relevant concepts are used to illustrate and explain the debates on power at both the national and local level. Clearly and accessibly written, this volume is a valuable resource for anyone interested in the structure of society as it is, and as it should be.

The Brussels Effect

Ever-evolving technological innovation creates both opportunities and challenges for educators aiming to achieve meaningful and effective learning in the classroom and to equip students with a well-honed set of technology skills as they enter the professional world. The Handbook of Teaching with Technology in Management, Leadership, and Business is written by experienced instructors using technology in novel and impactful ways in their undergraduate and graduate courses, as well as researchers reporting and reflecting on studies and literature that can guide them on the how and why of teaching with technology.

Intimate Relationships

This book is devoted to explaining a wide range of applications of continuous symmetry groups to physically important systems of differential equations. Emphasis is placed on significant applications of

group-theoretic methods, organized so that the applied reader can readily learn the basic computational techniques required for genuine physical problems. The first chapter collects together (but does not prove) those aspects of Lie group theory which are of importance to differential equations. Applications covered in the body of the book include calculation of symmetry groups of differential equations, integration of ordinary differential equations, including special techniques for Euler-Lagrange equations or Hamiltonian systems, differential invariants and construction of equations with prescribed symmetry groups, group-invariant solutions of partial differential equations, dimensional analysis, and the connections between conservation laws and symmetry groups. Generalizations of the basic symmetry group concept, and applications to conservation laws, integrability conditions, completely integrable systems and soliton equations, and bi-Hamiltonian systems are covered in detail. The exposition is reasonably self-contained, and supplemented by numerous examples of direct physical importance, chosen from classical mechanics, fluid mechanics, elasticity and other applied areas.

Power

Written by David Cohen and co-authors Theodore B. Lee and David Sklar, *PRECALCULUS*, Seventh Edition, focuses on the use of a graphical perspective to provide a visual understanding of college algebra and trigonometry. Cohen's texts are known for their clear writing style and outstanding, graded exercises and applications, including many examples and exercises involving applications and real-life data. Graphs, visualization of data, and functions are introduced and emphasized early on to aid student understanding. Although the text provides thorough treatment of the graphing calculator, the material is arranged to allow instructors to teach the course with as much or as little graphing utility work as they wish. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Sociology

This is a thorough, practical reference and guide for all health professionals involved in the management of spasticity.

Handbook of Teaching with Technology in Management, Leadership, and Business

The second edition of this bestselling title provides the most up-to-date comprehensive review of all aspects of biomaterials science by providing a balanced, insightful approach to learning biomaterials. This reference integrates a historical perspective of materials engineering principles with biological interactions of biomaterials. Also provided within are regulatory and ethical issues in addition to future directions of the field, and a state-of-the-art update of medical and biotechnological applications. All aspects of biomaterials science are thoroughly addressed, from tissue engineering to cochlear prostheses and drug delivery systems. Over 80 contributors from academia, government and industry detail the principles of cell biology, immunology, and pathology. Focus within pertains to the clinical uses of biomaterials as components in implants, devices, and artificial organs. This reference also touches upon their uses in biotechnology as well as the characterization of the physical, chemical, biochemical and surface properties of these materials. Provides comprehensive coverage of principles and applications of all classes of biomaterials Integrates concepts of biomaterials science and biological interactions with clinical science and societal issues including law, regulation, and ethics Discusses successes and failures of biomaterials applications in clinical medicine and the future directions of the field Cover the broad spectrum of biomaterial compositions including polymers, metals, ceramics, glasses, carbons, natural materials, and composites Endorsed by the Society for Biomaterials

Applications of Lie Groups to Differential Equations

Minnesota's Natural Heritage: An Ecological Perspective is the first comprehensive book available on the Minnesota environment. Including thorough and accessible analyses of the state's geologic history and climate, this is the essential book for tourists, naturalists, teachers, scientists, and residents of the state.

Precalculus

Children are inherently musical. They respond to music and learn through music. Music expresses children's identity and heritage, teaches them to belong to a culture, and develops their cognitive well-being and inner self worth. As professional instructors, childcare workers, or students looking

forward to a career working with children, we should continuously search for ways to tap into children's natural reservoir of enthusiasm for singing, moving and experimenting with instruments. But how, you might ask? What music is appropriate for the children I'm working with? How can music help inspire a well-rounded child? How do I reach and teach children musically? Most importantly perhaps, how can I incorporate music into a curriculum that marginalizes the arts? This book explores a holistic, artistic, and integrated approach to understanding the developmental connections between music and children. This book guides professionals to work through music, harnessing the processes that underlie music learning, and outlining developmentally appropriate methods to understand the role of music in children's lives through play, games, creativity, and movement. Additionally, the book explores ways of applying music-making to benefit the whole child, i.e., socially, emotionally, physically, cognitively, and linguistically.

Upper Motor Neurone Syndrome and Spasticity

Designed for the mixed practice large animal veterinarian, veterinary students, and camelid caretakers alike, *Llama and Alpaca Care* covers all major body systems, herd health, physical examination, nutrition, reproduction, surgery, anesthesia, and multisystem diseases of llamas and alpacas. Written by world-renowned camelid specialists and experts in the field, this comprehensive and uniquely global text offers quick access to the most current knowledge in this area. With coverage ranging from basic maintenance such as restraint and handling to more complex topics including anesthesia and surgery, this text provides the full range of knowledge required for the management of llamas and alpacas. "...an essential text for anyone working with South American camelids." Reviewed by Claire E. Whitehead on behalf of *Veterinary Record*, July 2015 Over 500 full-color images provide detailed, highly illustrated coverage of all major body systems, physical examination, nutrition, anesthesia, fluid therapy, multisystem diseases, and surgical disorders. World-renowned camelid experts and specialists in the field each bring a specific area of expertise for a uniquely global text. Comprehensive herd health content includes handling techniques, vaccinations, biosecurity, and protecting the herd from predators. Coverage of anesthesia and analgesia includes the latest information on pharmacokinetics of anesthetic drugs, chemical restraint, injectable and inhalation anesthesia, neuroanesthesia, and pain management. Reproduction section contains information on breeding management, lactation, infertility, and embryo transfer. Nutrition information offers detailed nutritional requirements and discusses feeding management systems and feeding behavior.

Biomaterials Science

The goal of teaching online is fundamentally the same as teaching face-to-face: facilitating the learning of all students to the greatest extent possible. This book differs from other books on online teaching in that, in the process of offering guidance on course design and planning, developing outcomes and appropriate engaging activities, managing the workload and assessment, the authors pay explicit attention throughout to the distinct and diverse needs of students and offer effective strategies to accommodate them in a comprehensive and inclusive way by using the principles of Universal Design for Learning. By following those principles from the outset when planning a course, all students will benefit, and most particularly those whom the research shows have the greatest achievement gaps when taking online courses -- males, first generation and low income students, those from underrepresented minority groups, the academically underprepared, students with disabilities, and those with limited online access or lacking readiness for online learning. Beyond good planning and design, Kelly and Zakrajsek offer ideas for creating inclusive course environments and activities, such as using culturally appropriate content and making it accessible in multiple formats. They also share methods to foster faculty-learner interaction and increase personal connections with students, and among students, through group activities or learning communities, which are so critical to motivation and success. Faculty new to online teaching as well as more experienced readers will find a wealth of practical guidance on developing and honing both fully online and blended courses and, as importantly, a wealth of proven ideas to help the new generation of students with diverse needs to succeed.

Minnesota's Natural Heritage

This book highlights the latest advances in the application of artificial intelligence and data science in health care and medicine. Featuring selected papers from the 2020 Health Intelligence Workshop, held as part of the Association for the Advancement of Artificial Intelligence (AAAI) Annual Conference, it offers an overview of the issues, challenges, and opportunities in the field, along with the latest

research findings. Discussing a wide range of practical applications, it makes the emerging topics of digital health and explainable AI in health care and medicine accessible to a broad readership. The availability of explainable and interpretable models is a first step toward building a culture of transparency and accountability in health care. As such, this book provides information for scientists, researchers, students, industry professionals, public health agencies, and NGOs interested in the theory and practice of computational models of public and personalized health intelligence.

Music and the Child

Using engaging stories and a diverse cast of characters, Lisa Wade memorably delivers what C. Wright Mills described as both the terrible and the magnificent lessons of sociology. With chapters that build upon one another, *Terrible Magnificent Sociology* represents a new kind of introduction to sociology. Recognizing the many statuses students carry, Wade goes beyond race, class, and gender, considering inequalities of all kinds—and their intersections. She also highlights the remarkable diversity of sociology, not only of its methods and approaches but also of the scholars themselves, emphasizing the contributions of women, immigrants, and people of color. The book ends with an inspiring call to action, urging students to use their sociological imaginations to improve the world in which they live.

Llama and Alpaca Care - E-Book

This book is a comprehensive guide to the diagnosis and management of both common and rare neurological disorders, for practising neurologists and trainees. Divided into twelve chapters, each section is dedicated to a subspecialty of neurology, including movement disorders, headache, epilepsy, neurotoxicology, stroke and more. Topics are presented with a broad overview and include recent advances in the field. Content is further enhanced by tables, clinical images, boxes and flow charts to assist learning. Key points Comprehensive guide to neurological disorders for clinicians and trainees Each section dedicated to a subspecialty of neurology Includes recent advances in the field Highly illustrated with tables, clinical images, boxes and flow charts

Advancing Online Teaching

This textbook develops the essential tools of linear algebra, with the goal of imparting technique alongside contextual understanding. Applications go hand-in-hand with theory, each reinforcing and explaining the other. This approach encourages students to develop not only the technical proficiency needed to go on to further study, but an appreciation for when, why, and how the tools of linear algebra can be used across modern applied mathematics. Providing an extensive treatment of essential topics such as Gaussian elimination, inner products and norms, and eigenvalues and singular values, this text can be used for an in-depth first course, or an application-driven second course in linear algebra. In this second edition, applications have been updated and expanded to include numerical methods, dynamical systems, data analysis, and signal processing, while the pedagogical flow of the core material has been improved. Throughout, the text emphasizes the conceptual connections between each application and the underlying linear algebraic techniques, thereby enabling students not only to learn how to apply the mathematical tools in routine contexts, but also to understand what is required to adapt to unusual or emerging problems. No previous knowledge of linear algebra is needed to approach this text, with single-variable calculus as the only formal prerequisite. However, the reader will need to draw upon some mathematical maturity to engage in the increasing abstraction inherent to the subject. Once equipped with the main tools and concepts from this book, students will be prepared for further study in differential equations, numerical analysis, data science and statistics, and a broad range of applications. The first author's text, *Introduction to Partial Differential Equations*, is an ideal companion volume, forming a natural extension of the linear mathematical methods developed here.

Information Systems

Nick Higham follows up his successful HWMS volume with this much-anticipated second edition.

Explainable AI in Healthcare and Medicine

In this introductory textbook, the author contextualises approaches and theories on communication studies by making use of local examples from the mass media, as well as relevant political and social experiences. The book is divided into two parts. The first provides students with a strong foundation in communication while the second focuses on the areas of specialisation within communication

studies. Each chapter starts with the learning Outcomes and a short overview of the chapter. Students can monitor their learning by using the summaries and 'test yourself' questions at the end of every chapter. Scenarios provide examples of how the theory can be applied in practice. This makes for a learner-friendly and accessible book which will prove invaluable to Students and professionals alike. Beginner students majoring in Communication Studies, as well as those studying towards various degrees or qualifications where communication is a prerequisite will find this book useful.

Terrible Magnificent Sociology

Human rights have gained increasing prominence on the international, European and UK stage. This updated edition reflects developments in case law and legislation ensuring students have access to the most current material. A companion web site features case updates and links to useful sites.

IAN Textbook of Neurology

Medical mycology refers to the study of fungi that produce disease in humans and other animals, and of the diseases they produce, their ecology, and their epidemiology. This new edition has been fully revised to provide microbiologists with the latest information on fungal infections, covering the entire spectrum of different types of infection, and therapeutic modalities. Beginning with a general overview explaining morphology, taxonomy, and diagnosis, the following sections cover the different categories of fungal infection including superficial cutaneous mycoses, subcutaneous mycoses, systemic mycoses and opportunistic mycoses. A complete section is dedicated to pseudofungal infections. The highly illustrated text concludes with a detailed appendices section and each chapter features key references for further reading. Key points Fully revised, fourth edition providing latest information on the diagnosis and management of fungal infections Covers the entire spectrum of mycoses Highly illustrated with clinical photographs and figures Previous edition (9788188039780) published in 2009

Applied Linear Algebra

Throughout his career, the influential new media theorist Vilém Flusser kept the idea of gesture in mind: that people express their being in the world through a sweeping range of movements. He reconsiders familiar actions—from speaking and painting to smoking and telephoning—in terms of particular movement, opening a surprising new perspective on the ways we share and preserve meaning. A gesture may or may not be linked to specialized apparatus, though its form crucially affects the person who makes it. These essays, published here as a collection in English for the first time, were written over roughly a half century and reflect both an eclectic array of interests and a durable commitment to phenomenological thought. Defining gesture as “a movement of the body or of a tool attached to the body for which there is no satisfactory causal explanation,” Flusser moves around the topic from diverse points of view, angles, and distances: at times he zooms in on a modest, ordinary movement such as taking a photograph, shaving, or listening to music; at others, he pulls back to look at something as vast and varied as human “making,” embracing everything from the fashioning of simple tools to mass manufacturing. But whatever the gesture, Flusser analyzes it as the expression of a particular form of consciousness, that is, as a particular relationship between the world and the one who gestures.

Handbook of Writing for the Mathematical Sciences

Global in coverage, the sixth edition of Textbook on International Human Rights provides a concise, wide-ranging introduction for law students new to the subject. It considers historical factors, the work of the UN, regional systems, and a variety of substantive rights.

An Introduction to Communication Studies

"Why do affluent, liberal, and design-rich cities like Minneapolis have some of the biggest racial disparities in the country? How can designers help to create more equitable communities? Introduction to Design Equity, an open access book for students and professionals, maps design processes and products against equity research to highlight the pitfalls and potentials of design as a tool for building social justice."-- from <https://open.lib.umn.edu/designequity/>

Step Ahead 3 Textbook (Express)

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics,

entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

Textbook on International Human Rights

Textbook of Medical Mycology