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GORDIS EPIDEMIOLOGY

Elsevier Health Sciences **From the Department of Epidemiology at Johns Hopkins University and continuing in the tradition of award-winning educator and epidemiologist Dr. Leon Gordis, comes the fully revised 6th Edition of Gordis Epidemiology. This bestselling text provides a solid introduction to basic epidemiologic principles as well as practical applications in public health and clinical practice, highlighted by real-world examples throughout. New coverage includes expanded information on genetic epidemiology, epidemiology and public policy, and ethical and professional issues in epidemiology, providing a strong basis for understanding the role and importance of epidemiology in today's data-driven society. Covers the basic principles and concepts of epidemiology in a clear, uniquely memorable way, using a wealth of full-color figures, graphs, charts, and cartoons to help you understand and retain key information. Reflects how epidemiology is practiced today, with a new chapter organization progressing from observation and developing hypotheses to data collection and analyses. Features new end-of-chapter questions for quick self-assessment, and a glossary of genetic terminology. Provides more than 200 additional multiple-choice epidemiology self-assessment questions online. Evolve Instructor Resources, including a downloadable image and test bank, are available to instructors through their Elsevier sales rep or via request at: <https://evolve.elsevier.com>**

EPIDEMIOLOGY

Elsevier Health Sciences **This popular book is written by the award-winning teacher, Dr. Leon Gordis of the Bloomberg School of Public Health at Johns Hopkins University. He introduces the basic principles and concepts of epidemiology in clear, concise writing and his inimitable style. This book provides an understanding of the key concepts in the following 3 fully updated sections: Section I: The Epidemiologic Approach to Disease and Intervention; Section II: Using Epidemiology to Identify the Causes of Disease; Section III: Applying Epidemiology to Evaluation and Policy. Clear, practical graphs and charts, cartoons, and review questions with answers reinforce the text and aid in comprehension. Utilizes new full-color format to enhance readability and clarity. Provides new and updated figures, references and concept examples to keep you absolutely current - new information has been added on Registration of Clinical Trials, Case-Cohort Design, Case-Crossover Design, and Sources and Impact of Uncertainty (disease topics include: Obesity, Asthma, Thyroid Cancer, Helicobacter Pylori and gastric/duodenal ulcer and gastric cancer, Mammography for women in their forties) - expanded topics include Person-time. Please note: electronic rights were not granted for several images in this product. Introduces both the underlying concepts as well as the practical uses of epidemiology in public health and in clinical practice. Systemizes learning and review with study questions in each section and an answer key and index. Illustrates textual information with clear and informative full-color illustrations, many created by the author and tested in the classroom.**

STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

A PATH FORWARD

[National Academies Press](#) Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. **Strengthening Forensic Science in the United States: A Path Forward** provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. **Strengthening Forensic Science in the United States** gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

THOUGHT

[PediaPress](#)

ESSENTIALS OF NEGOTIATION

SMART ABOUT THE FIFTY STATES

[Smart about History](#) Presents history and facts about each of the fifty states in the form of a school report by a team of students.

RODAK'S HEMATOLOGY - E-BOOK

CLINICAL PRINCIPLES AND APPLICATIONS

[Elsevier Health Sciences](#) Make sure you are thoroughly prepared to work in a clinical lab. **Rodak's Hematology: Clinical Principles and Applications, 6th Edition** uses hundreds of full-color photomicrographs to help you understand the essentials of hematology. This new edition shows how to accurately identify cells, simplifies hemostasis and thrombosis concepts, and covers normal hematopoiesis through diseases of erythroid, myeloid, lymphoid, and megakaryocytic origins. Easy to follow and understand, this book also covers key topics including: working in a hematology lab; complementary testing areas such as flow cytometry, cytogenetics, and molecular diagnostics; the parts and functions of the cell; and laboratory testing of blood cells and body fluid cells. **UPDATED** nearly 700 full-color illustrations and photomicrographs make it easier for you to visualize hematology concepts and show what you'll encounter in the lab, with images appearing near their mentions in the text to minimize flipping pages back and forth. **UPDATED** content throughout text reflects latest information on hematology. Instructions for lab procedures include sources of possible errors along with comments. Hematology instruments are described, compared, and contrasted. Case studies in each chapter provide opportunities to apply hematology concepts to real-life scenarios. Hematology/hemostasis reference ranges are listed on the inside front and back covers for quick reference. A bulleted summary makes it easy for you to review the important points in every chapter. Learning objectives begin each chapter and indicate what you should achieve, with review questions appearing at the end. A glossary of key terms makes it easy to find and learn definitions. **NEW!** Additional content on cell structure and receptors helps you learn to identify these organisms. **NEW!** New chapter on Introduction to Hematology Malignancies provides and overview of diagnostic technology and techniques used in the lab.

HEALTH INFORMATICS: PRACTICAL GUIDE FOR HEALTHCARE AND INFORMATION TECHNOLOGY PROFESSIONALS (SIXTH EDITION)

[Lulu.com](#) **Health Informatics (HI)** focuses on the application of Information Technology (IT) to the field of medicine to improve individual and population healthcare delivery, education and research. This extensively updated fifth edition reflects the current knowledge in Health Informatics and provides learning objectives, key points, case studies and references.

EPIDEMIOLOGY E-BOOK

[Elsevier Health Sciences](#) **Epidemiology**, by award-winning educator and epidemiologist Leon Gordis, is a best-selling introduction to this complex science. Dr. Gordis leverages his vast experience teaching this subject in the classroom to introduce the basic principles and concepts of epidemiology in a clear, uniquely memorable way. He guides you from an explanation of the epidemiologic approach to disease and intervention, through the use of epidemiologic principles to identify the causes of disease, to a discussion of how epidemiology should be used to improve evaluation and public policy. It's your best choice for an accessible yet rich understanding of epidemiology! Gain a solid foundation of basic epidemiologic principles as well as practical applications in public health and clinical practice. Visualize concepts vividly through abundant full-color figures, graphs, and charts. Check your understanding of essential information with 120 multiple-choice epidemiology self-assessment questions. Master the latest nuances in epidemiology thanks to a wealth of new and updated illustrations, examples, and epidemiologic data.

21: BRINGING DOWN THE HOUSE - MOVIE TIE-IN

THE INSIDE STORY OF SIX M.I.T. STUDENTS WHO TOOK VEGAS FOR MILLIONS

[Simon and Schuster](#) **Recounts the story of how a notorious gang of MIT blackjack savants devised and received backing for a system for winning at the world's most sophisticated casinos, an endeavor that earned them more than three million dollars. Originally published as Bringing Down the House. Reissue. (A Columbia Pictures film, written by Peter Steinfeld & Allan Loeb, directed by Robert Luketic, releasing March 2008, starring Kevin Spacey, Kate Bosworth, Laurence Fishburne, Jim Sturgess, & others) (Current Affairs)**

LOWER EXTREMITY SOFT TISSUE & CUTANEOUS PLASTIC SURGERY E-BOOK

PAPERBACK

[Elsevier Health Sciences](#) **Unlike any other podiatric text available, this new textbook focuses on the treatment of skin and soft tissue problems of the foot and ankle area using techniques borrowed from facial plastic surgery, hand reconstructive surgery and general soft tissue plastic surgery fields and modified to be used on the foot and ankle areas. This textbook provides a detailed outline and description of evaluating, examining and documenting lower extremity skin and soft tissue conditions. It addresses these problems with a variety of techniques including suturing, incisional and excisional techniques, along with the appropriate reconstructive and plastic surgical procedures for each condition. Includes all current techniques of revisional skin surgery and basic plastic surgery Features an abundance of illustrations and photographs. Reviews topics such as Preoperative Patient Evaluation, Cutaneous Anatomy, and Surgical Principles of Lower Extremity Surgery to prepare readers for studying the surgical techniques outlined in the text. Covers excisional techniques and biopsy techniques as they pertain to the foot and ankle. Outlines and defines the use of plastic surgery techniques - V-Y and Y-V; Z-plasty and W-plasty - for conditions of the foot and ankle and lower leg. These techniques can be used in the foot and ankle region for scar contracture which is a frequent complication of lower extremity surgery. Includes multiple examples of appropriate techniques for correction of toenail and digital deformities. Presents a large number of lower extremity soft tissue masses with the appropriate techniques for surgical management. Outlines the specific indications and techniques for performing the advancement and rotation flaps for the lower extremity; these can be used to provide coverage for soft tissue defects.**

A HISTORY OF BRUNEI

[Routledge](#) **The only full-length study of the Brunei Sultanate from the earliest times to the present. First published in 1994 and a sell-out success, RoutledgeCurzon is pleased to present this new edition, updated to the present. Saunders skilfully elucidates historiographical controversies over important events, persons and developments in Brunei's past which are still important issues in defining Brunei's identity and its political and social systems today. These controversies, over the antecedents of the Sultanate, the date of the conversion to Islam, the reigns of the early sultans, early contacts with Europeans and others, retain their relevance. Newly presented are interpretations of events since 1945 during the transition from protected state to full independence, and thence to the present Malay Islamic Monarchy.**

KIRKLIN/BARRATT-BOYES CARDIAC SURGERY E-BOOK

[Elsevier Health Sciences](#) **Now in its 4th edition, Kirclin/Barratt-Boyes Cardiac Surgery remains your indispensable source for definitive, state-of-the-art answers on every aspect of adult**

and pediatric cardiac surgery. This dynamic medical reference thoroughly and systematically covers the full range of new and classic surgical procedures—including the latest alternate and minimally invasive surgical techniques—and presents the up-to-date clinical evidence you need to make effective management decisions. Be certain with expert, dependable, accurate answers for every stage of your career from the most comprehensive, definitive text in the field! Get comprehensive coverage of all areas of cardiac surgery, including ischemic, valvular, and congenital heart disease; cardiac tumors; constrictive pericarditis; thoracic aortic surgery; cardiac transplantation; coronary artery disease; aortic valve disease; cardiac rhythm disturbances; heart failure and transplantation; disease of the thoracic aorta; tetralogy of Fallot; anesthesia; and postoperative care. Stay current with the latest advancements and practices. Comprehensive updates throughout include new information on endovascular management of thoracic aorta disease; new data on clinical outcomes; the most recent minimally invasive procedures; non-invasive CT angiography; new alternative surgical approaches to mitral valve surgery; and many other hot topics! Make the most well-informed decisions and achieve optimal outcomes by exploring each condition's natural history; diagnostic criteria; indications for surgery; operative techniques; and follow-up care. Reference information quickly thanks to a new, streamlined format.

THE SAGE HANDBOOK OF GROUNDED THEORY

PAPERBACK EDITION

SAGE Grounded Theory is by far the most widely used research method across a wide range of disciplines and subject areas, including social sciences, nursing and healthcare, medical sociology, information systems, psychology, and anthropology. This handbook gives a comprehensive overview of the theory and practice of Grounded Theory, taking into account the many attempts to revise and refine Glaser and Strauss' original formulation and the debates that have followed. Antony Bryant & Kathy Charmaz bring together leading researchers and practitioners of the method from the US, the UK, Australia and Europe to represent all the major standpoints within Grounded Theory, demonstrating the richness of the approach. The contributions cover a wide range of perspectives on the method, covering its features and ramifications, its intricacies in use, its demands on the skills and capabilities of the researcher and its position in the domain of research methods. The SAGE Handbook of Grounded Theory is an indispensable reference source for academics and researchers across many disciplines who want to develop their understanding of the Grounded Theory method.

MARCH'S ADVANCED ORGANIC CHEMISTRY

REACTIONS, MECHANISMS, AND STRUCTURE

John Wiley & Sons

PHYSICS FOR SCIENTISTS AND ENGINEERS, VOLUME 2

Cengage Learning Achieve success in your physics course by making the most of what **PHYSICS FOR SCIENTISTS AND ENGINEERS** has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

DUNCAN AND PRASSE'S VETERINARY LABORATORY MEDICINE

CLINICAL PATHOLOGY

John Wiley & Sons Now in full color throughout, **Duncan and Prasse's Veterinary Laboratory Medicine: Clinical Pathology, Fifth Edition** offers a comprehensive overview of hematology, hemostasis, clinical chemistry, urinalysis, cytology, and reference intervals in a highly accessible outline format. With information on all major domestic species, the text is designed for the reader to quickly find answers to clinical questions. Taking a problem-solving approach to the interpretation of laboratory data, this book includes clinical cases to illustrate the concepts of laboratory data interpretation, with tables and key words to aid readers in locating and applying information. The fifth edition has been fully revised to reflect the latest knowledge, diagnostic methods, and practices in veterinary laboratory medicine. A companion website provides the images in PowerPoint and references linked to PubMed at www.wiley.com/go/latimer. **Duncan and Prasse's Veterinary Laboratory Medicine** is an excellent quick reference for practicing veterinarians, veterinary students, clinical interns and

residents, and pathology residents.

GUIDE FOR THE CARE AND USE OF LABORATORY ANIMALS

EIGHTH EDITION

National Academies Press A respected resource for decades, the **Guide for the Care and Use of Laboratory Animals** has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

HOW PEOPLE LEARN

BRAIN, MIND, EXPERIENCE, AND SCHOOL: EXPANDED EDITION

National Academies Press First released in the Spring of 1999, **How People Learn** has been expanded to show how the theories and insights from the original book can translate into actions and practice, now making a real connection between classroom activities and learning behavior. This edition includes far-reaching suggestions for research that could increase the impact that classroom teaching has on actual learning. Like the original edition, this book offers exciting new research about the mind and the brain that provides answers to a number of compelling questions. When do infants begin to learn? How do experts learn and how is this different from non-experts? What can teachers and schools do with curricula, classroom settings, and teaching methods--to help children learn most effectively? New evidence from many branches of science has significantly added to our understanding of what it means to know, from the neural processes that occur during learning to the influence of culture on what people see and absorb. **How People Learn** examines these findings and their implications for what we teach, how we teach it, and how we assess what our children learn. The book uses exemplary teaching to illustrate how approaches based on what we now know result in in-depth learning. This new knowledge calls into question concepts and practices firmly entrenched in our current education system. Topics include: How learning actually changes the physical structure of the brain. How existing knowledge affects what people notice and how they learn. What the thought processes of experts tell us about how to teach. The amazing learning potential of infants. The relationship of classroom learning and everyday settings of community and workplace. Learning needs and opportunities for teachers. A realistic look at the role of technology in education.

NEGOTIATION: READINGS, EXERCISES, AND CASES

McGraw-Hill/Irwin Negotiation is a critical skill needed for effective management. **NEGOTIATION: READINGS EXERCISES, AND CASES, 5/e** takes an experiential approach and explores the major concepts and theories of the psychology of bargaining and negotiation, and the dynamics of interpersonal and inter-group conflict and its resolution. It is relevant to a broad spectrum of management students, not only human resource management or industrial relations candidates. It contains approximately 50 readings, 32 exercises, 9 cases and 5 questionnaires.

THE MARKETING BOOK

Routledge **The Marketing Book** is everything you need to know but were afraid to ask about marketing. Divided into 25 chapters, each written by an expert in their field, it's a crash course in marketing theory and practice. From planning, strategy and research through to getting the marketing mix right, branding, promotions and even marketing for small to medium enterprises. This classic reference from renowned professors Michael Baker and Susan Hart was designed for student use, especially for professionals taking their CIM qualifications. Nevertheless, it is also invaluable for practitioners due to its modular approach. Each chapter is set out in a clean and concise way with plenty of diagrams and examples, so that you don't have to dig for the information you need. Much of this long-awaited seventh edition contains brand new chapters and a new selection of experts to bring you bang up to date with the latest in marketing thought. Also included are brand new content in direct, data and digital marketing, and social marketing. If you're a marketing student or practitioner with a question, this book should be the first place you look.

WRITING LITERATURE REVIEWS

A GUIDE FOR STUDENTS OF THE SOCIAL AND BEHAVIORAL SCIENCES

Taylor & Francis This useful guide educates students in the preparation of literature reviews for term projects, theses, and dissertations. The authors provide numerous examples from published reviews that illustrate the guidelines discussed throughout the book. ? New to the seventh edition: ? Each chapter breaks down the larger holistic review of literature exercise into a series of smaller, manageable steps Practical instructions for navigating today's digital libraries Comprehensive discussions about digital tools, including bibliographic and plagiarism detection software Chapter activities that reflect the book's updated content New model literature reviews Online resources designed to help instructors plan and teach their courses (www.routledge.com/9780415315746).

CULTURE AND MENTAL HEALTH: A COMPREHENSIVE TEXTBOOK

CRC Press **Culture and Mental Health: a comprehensive textbook** is an authoritative text bringing together experts from around the world to discuss the provision of mental health services within multi-cultural societies and what this means in clinical and practical terms. The book looks in detail at the clinical state of services for multi-cultural societies across the globe, drawing on a diversity of medical and social science disciplines in order to provide a breadth and depth of information that is not to be found in such a clear and cohesive form anywhere else. The impact of cultural differences on the management of those with mental health disorders, whether ethical, religious, legal or social, is compared in a number of settings and is supported by academic or experiential based evidence where appropriate.

RESEARCH DESIGN

QUALITATIVE, QUANTITATIVE, AND MIXED METHODS APPROACHES

SAGE Publications This best-selling text pioneered the comparison of qualitative, quantitative, and mixed methods research design. For all three approaches, John W. Creswell and new co-author J. David Creswell include a preliminary consideration of philosophical assumptions, key elements of the research process, a review of the literature, an assessment of the use of theory in research applications, and reflections about the importance of writing and ethics in scholarly inquiry. The Fifth Edition includes more coverage of: epistemological and ontological positioning in relation to the research question and chosen methodology; case study, PAR, visual and online methods in qualitative research; qualitative and quantitative data analysis software; and in quantitative methods more on power analysis to determine sample size, and more coverage of experimental and survey designs; and updated with the latest thinking and research in mixed methods. **SHARE** this Comparison of Research Approaches poster with your students to help them navigate the distinction between the three approaches to research.

EQUINE INTERNAL MEDICINE - E-BOOK

Elsevier Health Sciences **Confidently diagnose, treat, and manage patient conditions with the only comprehensive book on the market devoted solely to equine internal medicine. Filled with fully updated content on principles of treatment and contributions from internationally known equine experts, Equine Internal Medicine, 4th Edition focuses on the basic pathophysiologic mechanisms that underlie the development of various equine diseases. A problem-based approach outlines how to apply the latest clinical evidence directly to the**

conditions you will encounter in practice. A new companion website with over 120 video clips presents diseases and disorders that cannot be explained as well through words. Updated information throughout, including the most recent drug information. Current and well-referenced content on equine diseases and treatment techniques cites the latest books and journals. Internationally known equine experts present information on problems affecting horses throughout the world – and provide contributions that enable practitioners and students to approach disease and treatment of equine patients with more authority and understanding. User-friendly exterior and interior design makes the book appealing to both the equine internal medicine practitioner and the veterinary student. Easy-to-find information facilitates a more thorough understanding with minimal frustration. Organized and consistent coverage among chapters allows you to easily find information on a specific topic. NEW! Fully updated and revised sections on disorders and principles of treatment. NEW! Problem-based approach outlines how to apply the latest clinical evidence directly to the conditions you will encounter in practice. NEW! Pathophysiology is emphasized throughout, providing a sound basis for discussions of the diagnosis, treatment, and prognosis that follow. NEW! Body systems chapters begin with a thorough discussion of the diagnostic method appropriate to the system, including physical examination, clinical pathology, radiography, endoscopy, and ultrasonography. NEW and UNIQUE! Companion website includes more than 120 video clips linked to content from chapters on cardiovascular and neurologic system disorders. NEW! Flow charts, diagrams, and algorithms clarify complex material.

CELLULOID SKYLINE

NEW YORK AND THE MOVIES

Bloomsbury Publishing A tale of two cities, both called 'New York'. The first is a real city, an urban agglomeration of millions. The second is a mythic city, so rich in memory and association and sense of place that to people everywhere it has come to seem real: the New York of films such as 42nd Street, Rear Window, King Kong, Dead End, The Naked City, Ghostbusters, Annie Hall, Taxi Driver, and Do the Right Thing. The dream city of the movies - created by more than a century of films, since the very dawn of the medium itself - may hold the secret to the glamour of its real counterpart. Here are the cocktail parties and power lunches, the subway chases and opening nights, the playground rumbles and observation-deck romances. Here is an invented Gotham, a place designed specifically for action, drama, and adventure, a city of bright avenues and mysterious sidestreets, of soaring towers and intimate corners, where remarkable people do exciting, amusing, romantic, scary things. Sanders takes the reader from the tenement to the penthouse, from New York to Hollywood and back again, from 1896 to the present, all the while showing how the real and mythic cities reflected, changed, and taught each other.

DIFFERENT CROAKS FOR DIFFERENT FOLKS

ALL ABOUT CHILDREN WITH SPECIAL LEARNING NEEDS

Jessica Kingsley Publishers This illustrated book explores the difficulties faced by 'frogs with a different croak'. Aimed at children with autism and related spectrum conditions, Teacher Toad's lessons give practical advice on issues covering everything from hard-to-break habits to physical coordination difficulties.

WRATH

AMERICA ENRAGED

Encounter Books Anger now dominates American politics. It wasn't always so. "Happy Days Are Here Again" was FDR's campaign song in 1932. By contrast, candidate Kamala Harris's 2020 campaign song was Mary J. Blige's "Work That" ("Let 'em get mad / They gonna hate anyway"). Both the left and right now summon anger as the main way to motivate their supporters. Post-election, both sides became even more indignant. The left accuses the right of "insurrection." The right accuses the left of fraud. This is a book about how we got here—about how America changed from a nation that could be roused to anger but preferred self-control, to a nation permanently dialed to eleven. Peter W. Wood, an anthropologist, has rewritten his 2007 book, *A Bee in the Mouth: Anger in America*, which predicted the new era of political wrath. In his new book, he explains how American culture beginning in the 1950s made a performance art out of anger; how and why we brought anger into our music, movies, and personal lives; and how, having step by step relinquished our old inhibitions on feeling and expressing anger, we turned anger into a way of wielding political power. But the "angri-culture," as he calls it, doesn't promise happy days again. It promises revenge. And a crisis that could destroy our republic.

AFRICA

A PRACTICAL GUIDE FOR GLOBAL HEALTH WORKERS

UPNE An innovative and indispensable guidebook for people traveling to Africa to work on health or humanitarian projects

STORING DIGITAL BINARY DATA IN CELLULAR DNA

THE NEW PARADIGM

Academic Press **Storing Digital Binary Data into Cellular DNA** demonstrates how current digital information storage systems have short longevity and limited capacity, also pointing out that their production and consumption of data exceeds supply. Author Rocky Termanini explains the DNA system and how it encodes vast amounts of data, then presents information on the emergence of DNA as a storage technology for the ever-growing stream of data being produced and consumed. The book will be of interest to a range of readers looking to understand this game-changing technology, including researchers in computer science, biomedical engineers, geneticists, physicians, clinicians, law enforcement and cybersecurity experts. Presents a comprehensive reference on the fascinating and emerging technology of DNA storage Helps readers understand key concepts on how DNA works as an information storage system Provides readers with key information on the technologies used to work with DNA data encoding, such as CRISPR Covers emerging areas of application and ethical concern, such as Smart Cities, cybercrime and cyberwarfare Includes coverage of synthesizing DNA-encoded data, sequencing DNA-encoded data, and fusing DNA with Digital Immunity Ecosystems (DIE)

ESSENTIALS OF METAHEURISTICS (SECOND EDITION)

Interested in the Genetic Algorithm? Simulated Annealing? Ant Colony Optimization? **Essentials of Metaheuristics** covers these and other metaheuristics algorithms, and is intended for undergraduate students, programmers, and non-experts. The book covers a wide range of algorithms, representations, selection and modification operators, and related topics, and includes 71 figures and 135 algorithms great and small. Algorithms include: Gradient Ascent techniques, Hill-Climbing variants, Simulated Annealing, Tabu Search variants, Iterated Local Search, Evolution Strategies, the Genetic Algorithm, the Steady-State Genetic Algorithm, Differential Evolution, Particle Swarm Optimization, Genetic Programming variants, One- and Two-Population Competitive Coevolution, N-Population Cooperative Coevolution, Implicit Fitness Sharing, Deterministic Crowding, NSGA-II, SPEA2, GRASP, Ant Colony Optimization variants, Guided Local Search, LEM, PBIL, UMDA, cGA, BOA, SAMUEL, ZCS, XCS, and XCSF.

CLASSICAL DYNAMICS OF PARTICLES AND SYSTEMS

Academic Press **Classical Dynamics of Particles and Systems** presents a modern and reasonably complete account of the classical mechanics of particles, systems of particles, and rigid bodies for physics students at the advanced undergraduate level. The book aims to present a modern treatment of classical mechanical systems in such a way that the transition to the quantum theory of physics can be made with the least possible difficulty; to acquaint the student with new mathematical techniques and provide sufficient practice in solving problems; and to impart to the student some degree of sophistication in handling both the formalism of the theory and the operational technique of problem solving. Vector methods are developed in the first two chapters and are used throughout the book. Other chapters cover the fundamentals of Newtonian mechanics, the special theory of relativity, gravitational attraction and potentials, oscillatory motion, Lagrangian and Hamiltonian dynamics, central-force motion, two-particle collisions, and the wave equation.

PHILLIPS' SCIENCE OF DENTAL MATERIALS - E-BOOK

Elsevier Health Sciences Learn the most up-to-date information on materials used in the dental office and laboratory today. Emphasizing practical, clinical use, as well as the physical, chemical, and biological properties of materials, this leading reference helps you stay current in this very important area of dentistry. This new full-color edition also features an extensive collection of new clinical photographs to better illustrate the topics and concepts discussed in each chapter. Organization of chapters and content into four parts (General Classes and Properties of Dental Materials; Auxiliary Dental Materials; Direct Restorative Materials; and Indirect Restorative Materials) presents the material in a logical and effective way for better comprehension and readability. Balance between materials science and manipulation bridges the gap of knowledge between dentists and lab technicians. Major emphasis on biocompatibility serves as a useful guide for clinicians and educators on material safety. Distinguished contributor pool lends credibility and experience to each

topic discussed. Critical thinking questions appearing in boxes throughout each chapter stimulate thinking and encourage classroom discussion of key concepts and principles. Key terms presented at the beginning of each chapter helps familiarize readers with key terms so you may better comprehend text material. NEW! Full color illustrations and line art throughout the book make text material more clear and vivid. NEW! Chapter on Emerging Technologies keeps you up to date on the latest materials in use. NEW! Larger trim size allows the text to have fewer pages and makes the content easier to read.

GUYTON AND HALL TEXTBOOK OF MEDICAL PHYSIOLOGY E-BOOK

Elsevier Health Sciences Known for its clear presentation style, single-author voice, and focus on content most relevant to clinical and pre-clinical students, Guyton and Hall Textbook of Medical Physiology, 14th Edition, employs a distinctive format to ensure maximum learning and retention of complex concepts. A larger font size emphasizes core information, while supporting information, including clinical examples, are detailed in smaller font and highlighted in pale blue - making it easy to quickly skim the essential text or pursue more in-depth study. This two-tone approach, along with other outstanding features, makes this bestselling text a favorite of students worldwide. Offers a clinically oriented perspective written with the clinical and preclinical student in mind, bridging basic physiology with pathophysiology. Focuses on core material and how the body maintains homeostasis to remain healthy, emphasizing the important principles that will aid in later clinical decision making. Presents information in short chapters using a concise, readable voice that facilitates learning and retention. Contains more than 1,200 full-color drawings and diagrams - all carefully crafted to make physiology easier to understand. Features expanded clinical coverage including obesity, metabolic and cardiovascular disorders, Alzheimer's disease, and other degenerative diseases. Includes online access to interactive figures, new audio of heart sounds, animations, self-assessment questions, and more. Evolve Instructor site with an image and test bank is available to instructors through their Elsevier sales rep or via request at <https://evolve.elsevier.com>.

NATHAN AND OSKI'S HEMATOLOGY AND ONCOLOGY OF INFANCY AND CHILDHOOD E-BOOK

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PROGRAMMING USING THE MATHCW PORTABLE SOFTWARE LIBRARY

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library that readily adapts for existing scripting languages, with minimal effort; supports both binary and decimal arithmetic, in up to 10 different floating-point formats; covers a significant portion (with highly accurate implementations) of the U.S National Institute of Standards and Technology's 10-year project to codify mathematical functions. This highly practical text/reference is an invaluable tool for advanced undergraduates, recording many lessons of the intermingled history of computer hardware and software, numerical algorithms, and mathematics. In addition, professional numerical analysts and others will find the handbook of real interest and utility because it builds on research by the mathematical software community over the last four decades.

PHYSICS

Building upon Serway and Jewetta's solid foundation in the modern classic text, *Physics for Scientists and Engineers*, this first Asia-Pacific edition of *Physics* is a practical and engaging introduction to Physics. Using international and local case studies and worked examples to add to the concise language and high quality artwork, this new regional edition further engages students and highlights the relevance of this discipline to their learning and lives.

THE BASICS OF HOSPITAL CHAPLAINCY

Xulon Press

VARCAROLIS' FOUNDATIONS OF PSYCHIATRIC MENTAL HEALTH NURSING

Elsevier Health Sciences Rev. ed. of: *Foundations of psychiatric mental health nursing* / [edited by] Elizabeth M. Varc Carolis, Margaret Jordan Halter. 6th ed. c2010.

EQUINE DERMATOLOGY - E-BOOK

Elsevier Health Sciences **Diagnose, treat, and manage equine skin disorders with the most comprehensive reference available! With 900 full-color photos, *Equine Dermatology* covers skin diseases ranging from those that merely annoy the horse to others that interfere with the horse's ability to function in riding, working, or show. Thorough coverage includes essential basics and practical diagnostic methods, therapies, and specific abnormalities and defects. The book describes the structure and function of the skin, and discusses disorders including bacterial, fungal, parasitic, viral, protozoal, allergic, immune-mediated, endocrine, metabolic, and nutritional diseases. It also covers congenital and hereditary defects, pigmentation abnormalities, keratinization defects, environmental skin diseases, and skin tumors. Written by renowned equine dermatologists Danny Scott and Bill Miller, this all-inclusive resource covers the latest dermatologic topics and the newest therapies. Current, comprehensive coverage includes every known equine dermatosis. An emphasis on differential diagnosis includes key differentials and breed predilections for each disease, especially helpful when you have only a specimen and an incomplete history to work with. A consistent format makes it easy to locate information on each skin disorder, including a clinical description, its cause and pathogenesis, clinical features, clinical management, diagnosis, treatment, and any zoonotic aspects. Expert authors Danny W. Scott, DVM, and William H. Miller, Jr., VMD, offer years of knowledge, experience, and their vast image collections. Diagnostic tables in each chapter provide a quick reference for identifying lesions and disorders. An extensive list of references at the end of each chapter includes recommendations for further reading. New coverage of dermatologic conditions includes the latest topics and emerging disorders such as chronic progressive lymphedema, herpesvirus-2-associated dermatitis, salmonella-associated dermatoses, and nodular auricular chondropathy. Updated Diagnostic Methods chapter covers multiple methods of developing a differential diagnosis list based on breed, lesion type, patterns, and location. A focus on common clinical problems highlights the conditions most likely to be seen in practice. Almost 1,000 full-color photos of skin disorders make it easy to distinguish clinical characteristics and variations of normal and abnormal for accurate diagnosis and therapy.**