

Biology A Functional Approach Second Edition

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The Hell and Joy of Running - Dr. Fernando Imperial Dos Santos
2006-10-09

This book provides information about exercise physiology, biomechanics, and exercise psychology to readers particularly those interested in running. Step by step, this book advises runners what to do, what not to do, how to start a running program, correct technique, as well as advising what clothing is appropriate. Through understanding exercise physiology, people will understand the role of energy sources, the concepts of fatigue, the importance of fluid and carbohydrate intake. It is expected that readers will gain a better understanding of why some people were not able to enjoy running and why it seemed to be hell rather than the pleasure of performing. Also it will help runners to know themselves better in terms of their body's reactions to exercise, particularly aerobic exercise, and consequently to listen to their bodies. Runners will be able to exercise/run safely, within their capabilities thus, enjoying the feeling of well-being created by running. Therefore, this book is aimed at broadening the knowledge of people who enjoy running, and opening the mind of those who find running hell. It is written in an easy and concise way with the reader in mind, thinking for you and of you.

Progress in Plant Cellular and Molecular Biology - H.J. Nijkamp
2012-12-06

Plants are an important source of food and of valuable products for industry, agriculture and medicine. They are unique in many aspects of metabolic processes, development and reproduction. Most of these aspects can now be studied by the modern methods and technologies of molecular and cellular biology. Such studies are also encouraged as to improve plant yield and quality. During the past decade research in plant sciences has demonstrated the feasibility of plant cell and tissue culture techniques as major tools in biology and agriculture. These techniques are also essential in strategies for engineering of biological systems. The proceedings of the VII International Congress on Plant Tissue and Cell Culture in Amsterdam show that in recent years an impressive progress has been achieved. The papers of the congress, with more than 2000 participants, include the full text of plenary lectures, keynote lectures and presentations of speakers who have been selected out of more than 1400 abstracts. This combination, which provides readers with reviews as well as recent findings and future developments, captures an important part of the scientific exchange during the congress. The papers in these proceedings are a reflection of the role of plant cell and tissue culture in disciplines varying from plant breeding to molecular biology. Basic as well as applied studies in a variety of plant disciplines are presented in 4 sections: (1) Genetic manipulation and propagation, (2) Morphogenesis and metabolism, (3) Secondary metabolites and (4) Biotechnology and developing countries.

Ecosystems - Gordon Dickinson 1998

Gordon Dickinson and Kevin Murphy introduce the basic concepts and processes in the ecosystem, and explore its role in solving environmental problems.

Neurobiology - Georg F. Striedter 2016

Introducing neurobiology through an evolutionary, organismal, and experimental perspective, Neurobiology covers not only what neuroscientists have learned about the brain in terms of facts and ideas, but also how they have learned it through key experiments. With a strong emphasis on neural circuits and systems, this text bridges the gap between the cellular and molecular end and the cognitive end of the neuroscience spectrum, allowing students to grasp the full breadth of the subject.

Awareness - Evie Bentley 2020-10-29

An accessible description of sleep and dreaming and the daily and seasonal rhythms that our bodies are subject to.

Molecular Imaging - Brian D. Ross 2021-08-09

The detection and measurement of the dynamic regulation and interactions of cells and proteins within the living cell are critical to the understanding of cellular biology and pathophysiology. The multidisciplinary field of molecular imaging of living subjects continues to expand with dramatic advances in chemistry, molecular biology, therapeutics, engineering, medical physics and biomedical applications. *Molecular Imaging: Principles and Practice, Volumes 1 and 2, Second Edition* provides the first point of entry for physicians, scientists, and practitioners. This authoritative reference book provides a comprehensible overview along with in-depth presentation of molecular imaging concepts, technologies and applications making it the foremost source for both established and new investigators, collaborators, students and anyone interested in this exciting and important field. The most authoritative and comprehensive resource available in the molecular-imaging field, written by over 170 of the leading scientists from around the world who have evaluated and summarized the most important methods, principles, technologies and data. Concepts illustrated with over 600 color figures and molecular-imaging examples. Chapters/topics include, artificial intelligence and machine learning, use of online social media, virtual and augmented reality, optogenetics, FDA regulatory process of imaging agents and devices, emerging instrumentation, MR elastography, MR fingerprinting, operational radiation safety, multiscale imaging and uses in drug development. This edition is packed with innovative science, including theranostics, light sheet fluorescence microscopy, (LSFM), mass spectrometry imaging, combining in vitro and in vivo diagnostics, Raman imaging, along with molecular and functional imaging applications. Valuable applications of molecular imaging in pediatrics, oncology, autoimmune, cardiovascular and CNS diseases are also presented. This resource helps integrate diverse multidisciplinary concepts associated with molecular imaging to provide readers with an improved understanding of current and future applications.

Systems Biology - Edda Klipp 2016-03-28

This advanced textbook is tailored for an introductory course in Systems Biology and is well-suited for biologists as well as engineers and computer scientists. It comes with student-friendly reading lists and a companion website featuring a short exam prep version of the book and educational modeling programs. The text is written in an easily accessible style and includes numerous worked examples and study questions in each chapter. For this edition, a section on medical systems biology has been included.

Biology - Michael Bliss Vaughan Roberts 1974

Textbook of Autism Spectrum Disorders, Second Edition - Eric Hollander, M.D. 2022-03-15

More than 40 years after the official recognition of infantile autism in DSM-III, advances continue to be made in our understanding of the possible causes, assessment and evaluation, and treatment of autism spectrum disorder (ASD). With contributions by dozens of experts in the field, this second edition of the Textbook of Autism Spectrum Disorders has been updated to reflect the latest research in ASD. Unrivaled in its thoroughness, this volume discusses issues of assessment and evaluation; examines the etiology of ASD and its recognized associations with other medical conditions; analyzes standard and experimental treatments; and delves into social policy issues pertinent to individuals with ASD and those who treat them. With summary points in each chapter and copious lists of recommended readings, this is an indispensable resource for psychiatrists, psychologists, neurologists, social workers, speech therapists, educators, and all others in the continuum of care.

Journal of Biological Education - 1989

A Textbook of Science for the Health Professions - Barry G. Hinwood

1997

To keep abreast with current developments in medicine, members of the health care team require a firm grasp of science to cope with changes in technology and understanding of the mechanisms of body function. This is in addition to developing a range of interpersonal and communication skills. There are sections covering biology, chemistry, physics, nutrition, biochemistry, medical microbiology and physiology. Highly illustrated, it includes over a hundred applications and examples to assist the reader in relating science to health care. Throughout, the text is divided into units containing a common theme, and each chapter contains a list of objectives and a summary.

Information Resources in Toxicology - Steve Gilbert 2020-05-16

This new fifth edition of *Information Resources in Toxicology* offers a consolidated entry portal for the study, research, and practice of toxicology. Both volumes represent a unique, wide-ranging, curated, international, annotated bibliography, and directory of major resources in toxicology and allied fields such as environmental and occupational health, chemical safety, and risk assessment. The editors and authors are among the leaders of the profession sharing their cumulative wisdom in toxicology's subdisciplines. This edition keeps pace with the digital world in directing and linking readers to relevant websites and other online tools. Due to the increasing size of the hardcopy publication, the current edition has been divided into two volumes to make it easier to handle and consult. Volume 1: Background, Resources, and Tools, arranged in 5 parts, begins with chapters on the science of toxicology, its history, and informatics framework in Part 1. Part 2 continues with chapters organized by more specific subject such as cancer, clinical toxicology, genetic toxicology, etc. The categorization of chapters by resource format, for example, journals and newsletters, technical reports, organizations constitutes Part 3. Part 4 further considers toxicology's presence via the Internet, databases, and software tools. Among the miscellaneous topics in the concluding Part 5 are laws and regulations, professional education, grants and funding, and patents. Volume 2: The Global Arena offers contributed chapters focusing on the toxicology contributions of over 40 countries, followed by a glossary of toxicological terms and an appendix of popular quotations related to the field. The book, offered in both print and electronic formats, is carefully structured, indexed, and cross-referenced to enable users to easily find answers to their questions or serendipitously locate useful knowledge they were not originally aware they needed. Among the many timely topics receiving increased emphasis are disaster preparedness, nanotechnology, -omics, risk assessment, societal implications such as ethics and the precautionary principle, climate change, and children's environmental health. Introductory chapters provide a backdrop to the science of toxicology, its history, the origin and status of toxicoinformatics, and starting points for identifying resources. Offers an extensive array of chapters organized by subject, each highlighting resources such as journals, databases, organizations, and review articles. Includes chapters with an emphasis on format such as government reports, general interest publications, blogs, and audiovisuals. Explores recent internet trends, web-based databases, and software tools in a section on the online environment. Concludes with a miscellany of special topics such as laws and regulations, chemical hazard communication resources, careers and professional education, K-12 resources, funding, poison control centers, and patents. Paired with Volume Two, which focuses on global resources, this set offers the most comprehensive compendium of print, digital, and organizational resources in the toxicological sciences with over 120 chapters contributions by experts and leaders in the field.

Applied Principles of Horticultural Science - Laurie Brown 2008-09-10

Applied Principles of Horticultural Science is that critical thing for all students of horticulture - a book that teaches the theory of horticultural science through the practice of horticulture itself. The book is divided into three sections - Plant science, Soil science, Pest and disease. Each section contains a number of chapters relating to a major principle of applied horticulture. Each chapter starts with a key point summary and introduces the underpinning knowledge which is then reinforced by exercises. The book contains over 70 practical exercises, presented in a way that makes students think for themselves. Answers to the exercises are given at the end of chapters. Clear step-by-step instructions make practical work accessible to students of all abilities. This new third edition provides an even wider sweep of case studies to make this book an essential practical workbook for horticulture students and gardeners alike. Updated material fits with the latest RHS, City and Guilds and Edexcel syllabus. It is particularly suitable for the RHS Certificate, Advanced Certificate and Edexcel Diplomas as well as for those

undertaking NPTC National, Advanced National courses and Horticulture NVQs at levels 2 and 3, together with the new Diploma in Environmental and Land-based studies. Laurie Brown is a horticultural scientist and educator. He is Director of Academex, a consultancy company aspiring to excellence in teaching and learning. Laurie previously worked with the Standards Unit on the design of exemplary teaching resources in the land-based sector.

Biology - M. B. V. Roberts 1986

NO description available

Junior College Journal - Walter Crosby Eells 1966

Includes "Junior college directory" (formerly Directory of the junior college) 1931-1945

Fundamentals of Biochemistry - JL Jain et al. 2004-09

In this latest Seventh Edition, five New Chapters (No. 28, 29, 33, 36 and 37) have been added to enhance the scope and utility of the book: three chapters pertain to Bioenergetics and Metabolism (Biosynthesis of Nucleotides, Degradation of Nucleotides, Mineral Metabolism) and two to Nutrition Biochemistry (Principles of Nutrition, Elements of Nutrition). In fact, all the previously-existing 35 chapters have been thoroughly revised, enlarged and updated in the light of recent advancements and the ongoing researches being conducted the world over.

Biology the Science of Life (for Non Science Majors)' 2002 Ed. -

Marine Biology - Jerónimo Pan 2022-03-03

We present you with an updated reference book aimed for upper-level undergraduate and graduate students interested in Marine Biology. The textbook is designed to introduce the fundamentals of marine organisms and their ecological roles in the world's oceans, and is organized by functional groups, emphasizing marine biodiversity rather than systematics or habitats. Each chapter has been written and peer-reviewed by renowned international experts in their respective fields, and includes updated information on relevant topics, from the microbial loop and primary production in the oceans, to marine megafauna and the impacts of projected climate change on marine life and ecosystems.

Atlas of Microscopic Anatomy - Ronald Arly Bergman 1974

Snakes in Question, Second Edition - George R. Zug 2015-03-10

This new edition of *Snakes in Question* has been completely updated to take into account the most recent research available, offering useful scientific information about snakes while dispelling many widely-circulated myths and common fears. Accompanied by 100 stunning color photographs and written in the popular question-and-answer format of Smithsonian's "In Question" series, the book tells how snakes breathe, hear, smell, and much more. It covers not only the life cycle of snakes but also explores such phenomena as the rattlesnake's rattle, the viper's hiss, and the snake charmer's secrets. It addresses common folktales about snakes (do snakes milk cows?) and describes giant snakes, both real and imaginary. The authors also give expert advice on such subjects as distinguishing venomous species from harmless look-alikes and keeping snakes as pets.

Invertebrate Biology - P. Calow 1981-01-04

Courses on the invertebrates have two principal aims: (1) to introduce students to the diversity of animal life and (2) to make them aware that organisms are marvellously integrated systems with evolutionary pasts and ecological presents. This text is concerned exclusively with the second aim and assumes that the reader will already know something about the diversity and classification of invertebrates. Concepts of whole-organism function, metabolism and adaptation form the core of the subject-matter and this is also considered in an ecological setting. Hence, the approach is multi-disciplinary, drawing from principles normally restricted to comparative morphology and physiology, ecology and evolutionary biology. Invertebrate courses, as with all others in a science curriculum, also have another aim - to make students aware of the general methods of science. And these I take to be associated with the so-called hypothetico deductive programme. Here, therefore, I make a conscious effort to formulate simple, some might say naive, hypotheses and to confront them with quantitative data from the real world. There are, for example, as many graphs in the book as illustrations of animals. My aim, though, has not been to test out the principles of Darwinism, but rather to sharpen our focus on physiological adaptations, given the assumption that Darwinism is approximately correct. Whether or not I succeed remains for the reader to decide.

A Guide to Laboratory Animal Technology - Martin D Buckland 2013-10-22

A Guide to Laboratory Animal Technology is a compilation of experiences

of animal technicians with regard to laboratory animals in both research and breeding establishments. This book discusses common laboratory species individually with reference to anatomy, reproduction, maintenance, methods of handling, and identification. Studies on the common diseases found on these species are also provided. All aspects of laboratory animal husbandry are considered including equipment, SPF techniques, transport, and law. This selection also includes a guide to examination technique and basic mathematics section that can help students with little experience in either field. This text aims to provide an introduction and guide for the newcomers and students of the profession, as well as a useful comprehensive reference work for all those concerned with animals.

Contemporary Nutrition - Gordon M. Wardlaw 2000-11

Biological Control of Crop Diseases - Samuel S. Gnanamanickam 2002-04-03

With contributions from more than 30 internationally renowned experts, this book combines coverage of theory with coverage of global practices. Highlighting the day-to-day challenges of organic crop management for cost-effective real-world application, the book explores the biological control of diseases in 12 major crops. It focuses on the use of host plant resistance through transgenics and induced systemic resistance as a part of biological control. Topics covered include the role of biocontrol agents for signalling resistance, effective ecofriendly alternative to combat bacterial, fungal, and viral infestation, and transgenic crops in disease management.

Red Panda - Angela R. Glatston 2010-11-25

Red Panda: Biology and Conservation of the First Panda provides a broad-based overview of the biology of the red panda, *Ailurus fulgens*. A carnivore that feeds almost entirely on vegetable material and is colored chestnut red, chocolate brown and cream rather than the expected black and white. This book gathers all the information that is available on the red panda both from the field and captivity as well as from cultural aspects, and attempts to answer that most fundamental of questions, "What is a red panda?" Scientists have long focused on the red panda's controversial taxonomy. Is it in fact an Old World procyonid, a very strange bear or simply a panda? All of these hypotheses are addressed in an attempt to classify a unique species and provide an in-depth look at the scientific and conservation-based issues urgently facing the red panda today. Red Panda not only presents an overview of the current state of our knowledge about this intriguing species but it is also intended to bring the red panda out of obscurity and into the spotlight of public attention. Wide-ranging account of the red panda (*Ailurus fulgens*) covers all the information that is available on this species both in and ex situ. Discusses the status of the species in the wild, examines how human activities impact on their habitat, and develops projections to translate this in terms of overall panda numbers. Reports on status in the wild, looks at conservation issues and considers the future of this unique species. Includes contributions from long-standing red panda experts as well as those specializing in fields involving cutting-edge red panda research.

Social Vulnerability to Disasters, Second Edition - Deborah S.K. Thomas 2013-05-09

The 2010 Haiti and Chili earthquakes, the 2010 BP oil spill in the Gulf of Mexico, and the 2011 Fukushima earthquake and tsunami in Japan are but a few examples of recent catastrophic events that continue to reveal how social structure and roles produce extensive human suffering and differential impacts on individuals and communities. These events bring social vulnerability to the forefront in considering how disasters unfold, clearly revealing that disasters are not created from the physical event alone. Equally important, people—even those considered vulnerable—respond in innovative and resilient ways that unveil the strength of human ingenuity and spirit. It is not a foregone conclusion that a hazard event, even a large one, will result in catastrophic loss. This updated second edition of *Social Vulnerability to Disasters* focuses on the social construction of disasters, demonstrating how the characteristics of an event are not the only reason that tragedies unfurl. By carefully examining and documenting social vulnerabilities throughout the disaster management cycle, the book remains essential to emergency management professionals, the independent volunteer sector, homeland security, and related social science fields, including public policy, sociology, geography, political science, urban and regional planning, and public health. The new edition is fully updated, more international in scope, and incorporates significant recent disaster events. It also includes new case studies to illustrate important concepts.

By understanding the nuances of social vulnerability and how these vulnerabilities compound one another, we can take steps to reduce the danger to at-risk populations and strengthen community resilience overall. Features and Highlights from the Second Edition: Contains contributions from leading scholars, professionals, and academics, who draw on their areas of expertise to examine vulnerable populations. Incorporates disaster case studies to illustrate concepts, relevant and seminal literature, and the most recent data available. In addition to highlighting the U.S. context, integrates a global approach and includes numerous international case studies. Highlights recent policy changes and current disaster management approaches. Infuses the concept of community resilience and building capacity throughout the text. Includes new chapters that incorporate additional perspectives on social vulnerability. Instructor's guide, PowerPoint® slides, and test bank available with qualifying course adoption.

Handbook of Functional Neuroimaging of Cognition, second edition - Roberto Cabeza 2006-05-05

A new edition of the essential resource on using functional neuroimaging techniques to study the neural basis of cognition, revised with the student in mind; thoroughly updated, with new chapters on fMRI physics, skill learning, emotion and social cognition, and other topics. This essential resource on neuroimaging provides an accessible and user-friendly introduction to the field written by leading researchers. The book describes theoretical and methodological developments in the use of functional neuroimaging techniques to study the neural basis of cognition, from early scientific efforts to link brain and behavior to the latest applications of fMRI and PET methods. The core of the book covers fMRI and PET studies in specific domains: attention, skill learning, semantic memory, language, episodic memory, working memory, and executive functions. By introducing a technique within the description of a domain, the book offers a clear explanation of the process while highlighting its biological context. The emphasis on readability makes *Handbook of Functional Neuroimaging of Cognition* ideal for classroom use in advanced undergraduate and graduate courses in cognitive neuroscience. This second edition has been completely updated to reflect new developments in the field, with existing chapters rewritten and new chapters added to each section. The section on history and methods now includes a chapter on the crucial topic of the physics of functional neuroimaging; the chapters on skill learning and executive functions are new to the domain section; and chapters on childhood development and emotion and social cognition have been added to the section on developmental, social, and clinical applications. The color insert has been increased in size, enhancing the visual display of representative findings. Contributors: Todd S. Braver, Jeffrey Browndyke, Roberto Cabeza, B.J. Casey, Jody Culham, Clayton E. Curtis, Mark D'Esposito, Sander Daselaar, Lila Davachi, Ian Dobbins, Karl J. Friston, Barry Giesbrecht, Todd C. Handy, Joseph B. Hopfinger, Scott A. Huettel, Irene P. Kan, Alan Kingstone, Eleni Kotsoni, Kevin S. LaBar, George R. Mangun, Gregory McCarthy, Uta Noppeney, Robyn T. Oliver, Elizabeth A. Phelps, Russel A. Poldrack, Cathy J. Price, Marcus E. Raichle, Hannes Ruge, Gaia Scerif, Allen W. Song, Sharon L. Thompson-Schill, Daniel T. Willingham, Richard J.S. Wise.

Second Generation Cell and Gene-Based Therapies - Alain Vertes 2020-02-07

Second Generation Cell and Gene-Based Therapies: Biological Advances, Clinical Outcomes, and Strategies for Capitalisation serves as the only volume to the market to bridge basic science, clinical therapy, technology development, and business in the field of cellular therapy/cytotherapy. After more than two decades of painstaking fundamental research, the concept of therapeutic cells (stem cells, genes, etc.), beyond the concept of vaccines, is reaching clinical trial, with mounting confidence in the safety and efficacy of these products. Nonetheless, numerous incremental technical advances remain to be achieved. Thus, this volume highlights the possible R&D paths, which will ultimately facilitate clinical delivery of cutting edge curative products. The next waves of innovation are reviewed in depth for hematopoietic stem cells, mesenchymal stem cells, tissue engineering, CAR-T cells, and cells of the immune system, as well as for enabling technologies such as gene and genome editing. Additionally, deep dives in product fundamentals, history of science, pathobiology of diseases, scientific and technological bases, and financing and technology adoption constraints are taken to unravel what will shape the cytotherapy industry to the horizon 2025 and beyond. The outcome is not simply a scientific book, but a global perspective on the nascent field combining science, business, and strategic fundamentals. Helps readers learn about the

most current trends in cell-based therapy, their overall effectiveness from a clinical prospective, and how the industry is moving therapies forward for capitalization "Perspectives" section at the end of each chapter summarizes key learnings, hypotheses, and objectives highlighted and combines scientific and business insights Edited and authored by scientists representing both basic and clinical research and industry, presenting a complete story of the current state and future promise of cellular therapies

The Biology of Particles in Aquatic Systems, Second Edition - Roger S. Wotton 2020-10-29

The Biology of Particles in Aquatic Systems, Second Edition presents the latest information on particulate and dissolved matter found in aquatic habitats ranging from small streams to oceans. Only by studying this matter can we gain an understanding of the functioning of aquatic ecosystems and thus be able to predict changes that may occur as these systems become stressed. Updated and extensively revised, this new edition covers such topics as classification of particulate and dissolved matter, origin and formation of particles aquatic systems, factors affecting particle aggregation, methods for capturing particles by benthic and planktonic animals, and the use of particulate and dissolved organic matter as food.

The Biology of Learning - P. Marler 2012-12-06

P. Marler* and H. S. Terrace** *The Rockefeller University Field Research Center Millbrook, NY 12545 **Dept. of Psychology, Columbia University New York, NY 10027, USA For the first half of this century, theories of animal conditioning were regarded as the most promising approach to the study of learning - both animal and human. For a variety of reasons, disillusionment with this point of view has become widespread during recent years. One prominent source of disenchantment with conditioning theory is a large body of ethological observations of both learned and unlearned natural behavior. These challenge the generality of principles of animal learning as derived from the intensive study of a few species in specialized laboratory situations. From another direction, the complexities of human language acquisition, surely the most impressive of learned achievements, have prompted developmental psychologists to doubt the relevance of principles of animal learning. Even within the realm of traditional studies of animal learning, it has become apparent that no single set of currently available principles can cope with the myriad of new empirical findings. These are emerging at an accelerating rate from studies of such phenomena as selective attention and learning, conditioned food aversion, complex problem solving behavior, and the nature of reinforcement. Not very surprisingly, as a reaction against the long-held but essentially unrealized promise of general theories of learning, many psychologists have asked an obvious question: does learning theory have a future? 2 r. Marler and B. S.

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1976

Biological Control of Plant-parasitic Nematodes, 2nd Edition - Graham R Stirling 2014-05-14

Plant-parasitic nematodes are one of multiple causes of soil-related sub-optimal crop performance. This book integrates soil health and sustainable agriculture with nematode ecology and suppressive services provided by the soil food web to provide holistic solutions. Biological control is an important component of all nematode management programmes, and with a particular focus on integrated soil biology management, this book describes tools available to farmers to enhance the activity of natural enemies, and utilize soil biological processes to reduce losses from nematodes.

Group Treatment of Neurogenic Communication Disorders - Roberta J. Elman 2006-11

This book is the definitive reference guide to clinical models, as well as specific clinical techniques, for providing client-centered group treatment for aphasia and other neurogenic communication disorders. It provides a wealth of insight and global perspective in the provision of care in aphasia and related conditions for students, clinicians, and professionals in other health-related disciplines. Key Features: * The book is designed for day-to-day use for busy practitioners * Expert clinicians are the authors of each of the chapters giving the reader authoritative guidance * Each chapter follows the same basic outline for quick and accessible reference * Tables, charts, and summaries enhance the text

The Theory Of Social And Economic Organization - Max Weber 2009-11-24

This book is an introduction to Max Weber's ambitious comparative study of the sociological and institutional foundations of the modern economic and social order. In this work originally published in German in 1920, Weber discusses the analytical methods of sociology and, at the same time, presents a devastating critique of prevailing sociological theory and of its universalist, determinist underpinnings. None of Weber's other writings offers the reader such a grasp of his theories; none displays so clearly his erudition, the scope of his interests, and his analytical powers. **Crop Post-Harvest: Science and Technology, Volume 1** - Peter Golob 2008-04-15

World-wide losses of crops, post-harvest, through microbial action, pests, diseases and other types of spoilage amount to millions of tons every year. This essential handbook is the first in a three-volume series which covers all factors affecting post-harvest quality of all major fruits, vegetables, cereals and other crops. Compiled by members of the world-renowned Natural Resources Institute at the University of Greenwich, Chatham, UK, the comprehensive contents of this landmark publication encourage interactions between each sector of the agricultural community in order to improve food security, food safety and food quality in today's global atmosphere. Through the carefully compiled and edited chapters, internationally respected authors discuss ways to improve harvest yield and quality, drawing on their many years' practical experience and the latest research findings, applications and methodologies. Subjects covered include: an introduction to the systems used in post-harvest agricultural processes, physical and biological factors affecting post-harvest commodities, storage issues, pest management, food processing and preservation, food systems, the latest research and assimilation of this work, and current trade and international agreements. An invaluable glossary showing important pests, pathogens and plants is also included. **Crop Post-Harvest: Science and Technology Volume 1: Principles and Practice** is a must-have reference book which offers the reader an overview of the globalisation of post-harvest science, technology, economics, and the development of the storage and handling of perishable and durable products. Volumes 2 and 3 will go on to explore durables and perishables individually in more detail, with many case studies taken from around the globe. This 3-volume work is the standard handbook and reference for all professionals involved in the harvesting, shipping, storage and processing of crops, including agricultural and plant scientists, food scientists and technologists, microbiologists, plant pathologists, entomologists and all post harvest, shipping and storage consultants. Libraries in all universities and research establishments where these subjects are studied and taught should have multiple copies on their shelves **Second Language Listening** - John Flowerdew 2005-02-07

As an essential part of communicative competence, listening is a skill which deserves equal treatment with the other basic skills of speaking, reading, and writing. **Second Language Listening** combines up-to-date listening theory with case studies of actual pedagogical practice. The authors describe current models of listening theory and exemplify each with a textbook task. They address the role of technology in teaching listening, questioning techniques, and testing. **Second Language Listening** is designed to be used with both pre-service and in-service teachers who are involved in the teaching of listening or the design of pedagogic materials for listening.

The Anatomy of Corporate Law - Reinier Kraakman 2009-07-23

This is the long-awaited second edition of this highly regarded comparative overview of corporate law. This edition has been comprehensively updated to reflect profound changes in corporate law. It now includes consideration of additional matters such as the highly topical issue of enforcement in corporate law, and explores the continued convergence of corporate law across jurisdictions. The authors start from the premise that corporate (or company) law across jurisdictions addresses the same three basic agency problems: (1) the opportunism of managers vis-à-vis shareholders; (2) the opportunism of controlling shareholders vis-à-vis minority shareholders; and (3) the opportunism of shareholders as a class vis-à-vis other corporate constituencies, such as corporate creditors and employees. Every jurisdiction must address these problems in a variety of contexts, framed by the corporation's internal dynamics and its interactions with the product, labor, capital, and takeover markets. The authors' central claim, however, is that corporate (or company) forms are fundamentally similar and that, to a surprising degree, jurisdictions pick from among the same handful of legal strategies to address the three basic agency issues. This book explains in detail how (and why) the principal European jurisdictions, Japan, and the United States sometimes select identical legal strategies

to address a given corporate law problem, and sometimes make divergent choices. After an introductory discussion of agency issues and legal strategies, the book addresses the basic governance structure of the corporation, including the powers of the board of directors and the shareholders meeting. It proceeds to creditor protection measures, related-party transactions, and fundamental corporate actions such as mergers and charter amendments. Finally, it concludes with an examination of friendly acquisitions, hostile takeovers, and the regulation of the capital markets.

Encyclopedia of Cell Biology - 2015-08-07

The Encyclopedia of Cell Biology offers a broad overview of cell biology, offering reputable, foundational content for researchers and students across the biological and medical sciences. This important work includes 285 articles from domain experts covering every aspect of cell biology, with fully annotated figures, abundant illustrations, videos, and references for further reading. Each entry is built with a layered approach to the content, providing basic information for those new to the area and more detailed material for the more experienced researcher. With authored contributions by experts in the field, the Encyclopedia of Cell Biology provides a fully cross-referenced, one-stop resource for students, researchers, and teaching faculty across the biological and medical sciences. Fully annotated color images and videos for full comprehension of concepts, with layered content for readers from different levels of experience. Includes information on cytokinesis, cell biology, cell mechanics, cytoskeleton dynamics, stem cells, prokaryotic cell biology, RNA biology, aging, cell growth, cell injury, and more. In-depth linking to Academic Press/Elsevier content and additional links to outside websites and resources for further reading. A one-stop resource

for students, researchers, and teaching faculty across the biological and medical sciences

Biology for Life - M. B. V. Roberts 1986

Biology for Life is the leading text for 14-16 year olds in Caribbean schools. This flexible, attractive text is clear and easy to read, providing material for a wide range of abilities. Biology for life contains practical investigations which give clear instructions, and allow students to work independently of the teacher.

Biosciences on the Internet - Georges Dussart 2003-01-24

Most biological science departments run general skills courses for their first years, which include some combination of a range of topics from lab skills, writing and presentation to basic maths, statistics and IT. The IT section of these courses tend to include some internet coverage but the trend towards learning how to find, access, manage and correctly cite online resources is rapidly becoming a required necessity for every student throughout their undergraduate career. At present, there are no internet guides that specifically target this audience, despite the increasing importance placed on the use of online resources and the difficulties students encounter trying to make effective use of the information that is available. There are a lot of resources on the internet and students, especially first years, can feel swamped. As well as needing a guide, students need support to help them identify good, reliable information on the net. They also need guidance in administering the organisation of their searches and the materials that they discover on the internet. This simple guide will help bioscience students to access the information they need on the internet, and to make the most efficient and effective use of their time online.