ISE The Living World

Biology covers the scope and sequence requirements for a single-semester microbiology course for non-majors. The book presents the core concepts of microbiology with a focus on applications for careers in allied health. The pedagogical features of the text make the material interesting and accessible while maintaining the core content focus and scientific rigor inherent in the subject matter. Understanding of concepts through clear and effective illustrations, diagrams, and photographs. Microbiology is produced through a collaborative publishing agreement between OpenStax and the American Society for Microbiology. The book aligns with the curriculum guidelines of the American Society for Microbiology. - B.C. Campus website.

Biology

Concepts of Biology is designed for single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, skills, and values to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today’s instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand—and apply—key concepts.

Essential Cell Biology


Medical Genetics

A complete introductory text on how to integrate basic genetic principles into the practice of clinical medicine. Medical Genetics is the first text to focus on the everyday application of genetic assessment and its diagnostic, therapeutic, and preventive implications in clinical practice. It is intended to be a text that you can use throughout medical school and refer back to when questions arise during residency and, eventually, practice. Medical Genetics is written as a narrative where each chapter builds upon the foundation laid by previous ones. Chapters can also be used as stand-alone learning aids for specific topics. Taken as a whole, this timely book delivers a complete overview of genetics in medicine. You will find in-depth, expert coverage of such gene-related topics as: The structure and function of gene; Mendelian inheritance patterns; Genetic testing and screening; Genetic therapies; Disorders of organ systems; Key genetic diseases, disorders, and syndromes; and more. Each chapter of Medical Genetics is logically organized into three sections: Background and Systems - Includes the basic genetic principles needed to understand the medical application. Medical Genetics - Contains all the pertinent information necessary to build a strong knowledge base for being successful on every step of the USMLE Case Study Application. Incorporates case study examples to illustrate how basic principles apply to real-world patient problems. Medical Genetics is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, skills, and values to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today’s instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand—and apply—key concepts.

The Art of Public Speaking

Communication matters helps students move beyond an intuitive appreciation of communication to explore core principles of the discipline. By helping students take personal responsibility for their communication behaviors, by encouraging critical reflection, and by applying the key concepts to diverse contemporary challenges, the program fosters an understanding of the many important ways communication matters in daily life.

WE THE PEOPLE

Organic Chemistry

Biotechnology Demystified

Biochar is the carbon-rich product when biomass (such as wood, manure or crop residues) is heated in a closed container with little or no available air. It can be used to improve agriculture and the environment in several ways, and its stability in soil and superior nutrient-retention properties make it an ideal soil amendment to increase crop yields. In addition to this, biochar sequestration, in combination with sustainable biomass production, can be carbon-negative and therefore used to actively remove carbon dioxide from the atmosphere, with major implications for mitigation of climate change. Biochar production can also be combined with bioenergy production through the use of the gases that are given off in the pyrolysis process. This book is the first to synthesize the expanding research literature on this topic. The book’s interdisciplinary approach, which covers engineering, environmental sciences, agricultural economics, sciences and policy, is a vital tool at this stage of biochar technology development. This comprehensive overview of current knowledge will be of interest to advanced students, researchers and professionals in a wide range of disciplines.

We the People

We want to give you the practice you need on the ACT McGraw-Hill’s 10 ACT Practice Tests helps you gauge what the test measures, how it’s structured, and how to budget your time in each section. Written by the founder and faculty of A-Step Ahead Education, one of America’s most respected provider of school-based test-prep classes, this book provides you with the intensive 4-C Test Practice that will help your score improve from each test to the next. You’ll be able to sharpen your skills, boost your confidence, reduce your stress and do your very best on test day. 10 complete sample ACT exams, with full explanations for every answer 10 sample writing prompts for the optional ACT essay portion.
Communicating Risks and Benefits

Raising hopes for disease treatment and prevention, but also the specter of discrimination and “designer genes,” genetic testing is potentially one of the most socially explosive developments of our time. This book presents a current assessment of this rapidly evolving field, offering principles for actions and research and recommendations on key issues in genetic testing and screening. Advantages and limitations are balanced with issues associated with such knowledge: availability, treatment, privacy, and discrimination, personal decisionmaking, public health objectives, cost, and more. Among the important issues covered: Quality control in genetic testing. Appropriate roles for public agencies, private health practitioners, and laboratories. Value-neutral education and counseling for persons considering testing. Use of test results in insurance, employment, and other settings.

Kotch's Maternal and Child Health: Problems, Programs, and Policy in Public Health

CD-ROM contains an updated student guide that includes case study exercises and the full text of several cases, as well as self-tests, discussion questions, and other study aids.

Children Moving

The 60th anniversary edition of the most popular, relied-upon guide to Internal Medicine. For 60 years, CURRENT Medical Diagnosis and Treatment—the flagship volume of the renowned Lange medical series—has been delivering the authoritative information students, residents, and clinicians need to build their medical knowledge, expertise, and confidence. Covering the latest clinical developments in all facets of medicine and fully focused on bedside clinical issues, this new edition provides completely the latest guidelines, reference, drug prices, approved drugs, and evidence-based coverage of more than 3,000 diseases and disorders—all reformatted to enable you to find the answers you need quickly and effortlessly. This landmark guide covers essential and up-to-date care, focusing on the diagnostic tests relevant to daily practice, and reviews all primary care topics, including gynecology/gynecology, dermatology, cardiology, geriatrics, preventive medicine, psychiatry, and neurology. Now includes a “year in review” feature highlighting what’s new in CMDT! It includes essentials of diagnosis for most diseases/disorders. Hundreds of quick-access drug treat tables with indexed trade names. Diagnostic and treatment algorithms present important information in an at-a-glance style. Up-to-date references provide peer-reviewed, evidence-based information. Seven bonus chapters available online to all book purchasers, featuring expanded content and annual review of advances in HIV treatment and critical information on emerging viral infections.

Medical Law

Written by the author of highly effective psychology texts relied upon by thousands of teachers and students, Educational Psychology is a well-crafted text that emphasizes the application of theory to classroom practice. With rich executive classroom vignettes provided by practicing teachers, as well as the most case studies—three per chapter—of any introductory text, Santrock’s Educational Psychology helps students think critically about the research basis for best practices. Additionally, Santrock’s hallmark Learning System organizes the content into manageable chunks to support retention and mastery, and make it much more likely that students will have an engaging and successful course experience.

Integrated Science

The Art of Leadership

Get the BIG PICTURE of Pathology—and focus on what you really need to know to score high on the course and board exam! If you want a streamlined and definitive look at Pathology—one with just the right balance of information to give you the edge at exam time—turn to Pathology: The Big Picture. You’ll find a succinct, user-friendly presentation especially designed to make even the most complex concept understandable in the shortest amount of study time possible. This perfect pictorial and textual overview of Pathology delivers: A “Big Picture” emphasis on what you must know versus “what’s nice to know.” Expert authorship by award-winning, active instructors. Coverage of the full range of pathology topics—everything from cellular adaptations and injury to genetic disorders to inflammation to diseases of immunity. M: Artistic illustrations. Numerous summary tables and figures for quick reference and rapid retention of even the most difficult topics. Highlighted key concepts that underscore integral aspects of histology (key concepts are also listed in a table at the end of each chapter) USMLE-type questions, answers, and explanations to help you anticipate what you’ll encounter on the exams. And much more!

Assessing Genetic Risks

Essential Cell Biology provides a readily accessible introduction to the central concepts of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy to follow, accurate, clear, and engaging for the introductory student. M: essential detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 330 narrated movies, an expanded and updated Question Bank. Essential Cell Biology, Fourth Edition is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students’ needs precisely and efficiently. For more information and sample material, visit: http://garlandscience.rocketmix.com/

Pathology: The Big Picture

Environmental Science: A Study of Interrelationships is a full-color, introductory environmental science text that is known for being concise, conceptual, and value-priced. The approach and reading level cover the basic concepts without overwhelming students with too much detail. The authors reinforce the text’s central theme of “interrelationships” by providing a historical perspective, information on economic and political realities, discuss the role of different social experiences, and integrate this with the crucial science to describe the natural world and how we affect it.

Harper's Illustrated Biochemistry 31e

Known for both its narrative style and scientific rigor, Principles of Behavior is the premier introduction to behavior analysis. Through an exploration of experimental, applied, and theoretical concepts, the authors summarize the
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key conversations in the field. They bring the content to life using humorous and engaging language and show students how the principles of behavior relate to their everyday lives. The text's tried-and-true pedagogy make the content as clear as possible without oversimplifying the concepts. Each chapter includes study objectives, key terms, and review questions that encourage students to check their understanding before moving on, and incorporated throughout the text are real-world examples and case studies to illustrate key concepts and principles. This edition features some significant organizational changes: the respondent conditioning chapter is now Chapter 1, a general introduction to operant conditioning is now covered in Chapters 2 and 3, and the introduction to research methods is now covered in Chapter 4. These changes were made to help instructors prepare students for starting a research project at the beginning of the course. Two new chapters include Chapter 5 on the philosophy supporting behavior analysis, and Chapter 24 on verbal behavior that introduces B.F. Skinner’s approach and terminology. This edition also features a new full-color design and over 400 color figures, tables, and graphs. Principles of Behavior is an essential resource for both introductory and intermediate courses in behavior analysis. It is carefully tailored to the length of a standard academic semester and how behavior analysis courses are taught, with each section corresponding to a week’s worth of coursework. The text can also function as the first step in a student’s journey into becoming a professional behavior analyst at the BA, MA, or PhD/EDD level. Each chapter of the text is integrated with the Behavior Analyst Certification Board (BACB) task list, serving as an excellent primer to many of the BACB tasks.

Applied Sport Psychology: Personal Growth to Peak Performance

Biochar for Environmental Management

Principles of Behavior

Economics of Money, Banking, and Financial Markets heralded a dramatic shift in the teaching of the money and banking course in its first edition, and today it is still setting the standard. By applying an analytical framework to the patient, stepped-out development of models, Frederic Mishkin draws students into a deeper understanding of modern monetary theory, banking, and policy. His landmark combination of common sense applications with current, real-world events provides authoritative, comprehensive coverage in an informal tone students appreciate.

National Engineering Handbook

Essentials of Business Statistics: Communicating with Numbers

Effective risk communication is essential to the well-being of any organization and those people who depend on it. Ineffective communication can cost lives, money and reputations. Communicating Risks and Benefits: An Evidence-Based User’s Guide provides the scientific foundations for effective communications. The book authoritative summarizes the relevant research, draws out its implications for communication design, and provides practical ways to evaluate and improve communications for any decision involving risks and benefits. Topics include the communication of quantitative information and warnings, the roles of emotion and the news media, the effects of age and literacy, and tests of how well communications meet the organization’s goals. The guide will help users in any organization, with any budget, to make the science of their communications as sound as the science that they are communicating.

Real Estate Finance and Investments

CURRENT Medical Diagnosis and Treatment 2021