

Introduction To Human Physiology Lauralee Sherwood

Does nature have intrinsic value? Should we be doing more to save wilderness and ocean ecosystems? What are our duties to future generations of humans? Do animals have rights? This revised edition of "Life Science Ethics" introduces these questions using narrative case studies on genetically modified foods, use of animals in research, nanotechnology, and global climate change, and then explores them in detail using essays written by nationally-recognized experts in the ethics field. Part I introduces ethics, the relationship of religion to ethics, how we assess ethical arguments, and a method ethicists use to reason about ethical theories. Part II demonstrates the relevance of ethical reasoning to the environment, land, farms, food, biotechnology, genetically modified foods, animals in agriculture and research, climate change, and nanotechnology. Part III presents case studies for the topics found in Part II.

Organized around the central theme of homeostasis, FUNDAMENTALS OF HUMAN PHYSIOLOGY is a carefully condensed version of Lauralee Sherwood's HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS. It provides clear, current, concise, clinically oriented coverage of physiology. Many analogies and frequent references to everyday experiences help students relate to the physiology concepts presented. Offering helpful art and pedagogical features, Sherwood promotes understanding of the basic principles and concepts of physiology rather than memorization of details and provides a foundation for future careers in the health professions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Analysis of Biological Data provides students with a practical foundation of statistics for biology students. Every chapter has several biological or medical examples of key concepts, and each example is prefaced by a substantial description of the biological setting. The emphasis on real and interesting examples carries into the problem sets where students have dozens of practice problems based on real data. The third edition features over 200 new examples and problems. These include new calculation practice problems, which guide the student step by step through the methods, and a greater number of examples and topics come from medical and human health research. Every chapter has been carefully edited for even greater clarity and ease of use. All the data sets, R scripts for all worked examples in the book, as well as many other teaching resources, are available to qualified instructors (see below).

Now in its 6th edition, the best-selling text, CARDIOPULMONARY ANATOMY & PHYSIOLOGY, equips students with a rock-solid foundation in anatomy and physiology to help prepare them for careers as respiratory therapists. Extremely reader friendly, this proven, innovative text delivers the most complete and accurate information about the structure and function of the respiratory system in an approachable manner. Clear and concise, it presents complicated concepts in an easy-to-read, understandable format utilizing a full color design and strong pedagogy, so that students can readily apply what they learn when they graduate and start their professional careers. Newly integrated throughout the text, Clinical Connections provide direct links between chapter concepts and real-world applications in the clinical setting. New and redrawn full color illustrations provide the level of detail necessary to facilitate understanding of core concepts. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Modeling and Simulation for the Sciences, Second Edition

Plant Physiology and Development

Systemic Semiotics

Essentials of Organic Chemistry

Cumulative Listing

Introduction to Biotransport Principles is a concise text covering the fundamentals of biotransport, including biological applications of: fluid, heat, and mass transport.

From simple applications to multi-load / multi-temperature systems, learn how to use the newest and most appropriate hydronic heating methods and hardware to create system the deliver the ultimate in heating comfort, reliability, and energy efficiency. Heavily illustrated with product and installation photos, and hundreds of detailed full-color schematics, MODERN HYDRONIC HEATING, 3rd EDITION is a one-of-a-kind comprehensive reference on hydronic heating for the present and future. It transforms engineering-level design information into practical tools that can be used by technical students and heating professional alike. This revised edition features the latest design and installation techniques for residential and light commercial hydronic systems including use of renewable energy heat sources, hydraulic separation, smart circulators, distribution efficiency, thermal actuators, mixing methods, heat metering, and web-enabled control methods. Everyone involved in the heating trade will benefit from this preeminent resource of the North American heating industry. It is well-suited for use in a formal education course, self-study, or as an on the job reference. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Computational science is an exciting new field at the intersection of the sciences, computer science, and mathematics because much scientific investigation now involves computing as well as theory and experiment. This textbook provides students with a versatile and accessible introduction to the subject. It assumes only a background in high school algebra, enables instructors to follow tailored pathways through the material, and is the only textbook of its kind designed specifically for an introductory course in the computational science and engineering curriculum. While the text itself is generic, an accompanying website offers tutorials and files in a variety of software packages. This fully updated and expanded edition features two new chapters on agent-based simulations and modeling with matrices, ten new project modules, and an additional module on diffusion. Besides increased treatment of high-performance computing and its applications, the book also includes additional quick review questions with answers, exercises, and individual and team projects. The only introductory textbook of its kind: now fully updated and expanded Features two new chapters on agent-based simulations and modeling with matrices Increased coverage of high-performance computing and its applications Includes additional modules, review questions, exercises, and projects An online instructor's manual with exercise answers, selected project solutions, and a test bank and solutions (available only to professors) An online illustration package is available to professors

!Fascinating, Doidge's book is a remarkable and hopeful portrait of the endless adaptability of the human brain. Oliver Sacks, MD, author of The Man Who Mistook His Wife for a Hat What is neuroplasticity? Is it possible to change your brain? Norman Doidge's inspiring guide to the new brain science explains all of this and more An astonishing new science called neuroplasticity is overthrowing the centuries-old notion that the human brain is immutable, and proving that it is, in fact, possible to change your brain. Psychoanalyst, Norman Doidge, M.D., traveled the country to meet both the brilliant scientists championing neuroplasticity, its healing powers, and the people whose lives they've transformed: people whose mental limitations, brain damage or brain trauma were seen as unalterable. We see a woman born with half a brain that rewired itself to work as a whole, blind people who learn to see, learning disorders cured, ICs reversed, aging brains rejuvenated, stroke patients learning to speak, children with cerebral palsy learning to move with more grace, depression and anxiety disorders successfully treated, and lifelong character traits changed. Using these marvelous stories to probe mysteries of the body, emotion, love, sex, culture, and education, Dr. Doidge has written an immensely moving, inspiring book that will permanently alter the way we look at our brains, human nature, and human potential.

Introduction to Human Physiology

Introduction to Computational Science

For Students of Pharmacy, Medicinal Chemistry and Biological Chemistry

ISE Motor Learning and Control: Concepts and Applications

Fundamentals of Physiology

Organized around the central theme of homeostasis, ESSENTIALS OF PHYSIOLOGY, 4e, International Edition is a carefully condensed version of Lauralee Sherwood's HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS, International Edition. It provides clear, current, concise, clinically oriented coverage of physiology. Many analogies and frequent references to everyday experiences help students relate to the physiology concepts presented. Offering helpful art and pedagogical features, Sherwood promotes understanding of the basic principles and concepts of physiology rather than memorization of details and provides a foundation for future careers in the health professions.

Parasitology: An Integrated Approach, provides a concise, student-friendly account of parasites and parasite relationships that is supported by case studies and suggestions for student projects. The book focuses strongly on parasite interactions with other pathogens and in particular parasite-HIV interactions, as well as looking at how host behaviour contributes to the spread of infections. There is a consideration of the positive aspects of parasite infections, how humans have used parasites for their own advantage and also how parasite infections affect the welfare of captive and domestic animals. The emphasis of Parasitology is on recent research throughout and each chapter ends with a brief discussion of future developments. This text is not simply an updated version of typical parasitology books but takes an integrated approach and explains how the study of parasites requires an understanding of a wide range of other topics from molecular biology and immunology to the interactions of animals with both their hosts and other pathogens.

This text is an edited, simplified version of Sherwood's Human Physiology: From Cells to Systems, Second Edition, for the one-term, non-majors' introduction to human physiology. It doesn't require previous exposure to biology, chemistry, or mathematics. Basic human physiology is organized around the central theme of homeostasis. A full-color, system-specific homeostatic model opens each chapter. The book also features many analogies and frequent references to common life experience.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Moore's Essential Clinical Anatomy, Sixth Edition, presents core anatomical concepts in a concise, student-friendly format. As with the leading, comprehensive Clinically Oriented Anatomy text, this succinct resource is widely acclaimed for the relevance of its clinical correlations, emphasizing anatomy essential to physical diagnosis for primary care, interpretation of diagnostic imaging, and understanding the anatomical basis of emergency medicine and general surgery. The text's hallmark blue Clinical Boxes highlight the practical value of anatomy, accompanied by extensive surface anatomy and medical imaging features that clarify key concepts and structures to help build clinical confidence and equip students for success in practice.

A Deductive Study of Communication and Meaning

Pickard's Guide to Minimally Invasive Operative Dentistry

Empowerment Series: Understanding Human Behavior and the Social Environment

Stories of Personal Triumph from the Frontiers of Brain Science

Moore's Essential Clinical Anatomy

Essentials of Organic Chemistry is an accessible introduction to the subject for students of Pharmacy, Medicinal Chemistry and Biological Chemistry. Designed to provide a thorough grounding in fundamental chemical principles, the book focuses on key elements of organic chemistry and carefully chosen material is illustrated with the extensive use of pharmaceutical and biochemical examples. In order to establish links and similarities the book emphasizes on principles and deductive reasoning without cross-referencing. This informal text also places the main emphasis on understanding and predicting reactivity rather than synthetic methodology as well as utilising a mechanism based layout and featuring annotated schemes to reduce the need for textual explanations. * Tailored specifically to the needs of students of Pharmacy, Medical Chemistry and Biological Chemistry * Numerous pharmaceutical and biochemical examples * Mechanism based layout * Focus on principles and deductive reasoning This will be an invaluable reference for students of Pharmacy, Medical and Biological Chemistry.

Organized around the central theme of homeostasis - how the body meets changing demands while maintaining the internal constancy necessary for all cells and organs to function - this title helps you understand how each component of the course depends on the others and appreciate the integrated functioning of the human body. With an inside view from an expert in the field, solid scholarship, and a clear and engaging writing style, Asian Philosophies invites students and professors to think along with the great thinkers of the Asian traditions. John M. Koller is a scholar and teacher who has devoted his life to understanding Asian thought and practice. He wrote this text to give students and professors access to the rich philosophical and religious ideas of both South and East Asia.

This bestselling text continues to lead the way with a strong focus on current issues, pedagogically rich framework, wide variety of medical and biological applications, visually dynamic art program, and exceptionally strong and varied end-of-chapter problems. Revised and updated throughout, the eleventh edition now includes new biochemistry content, new Chemical Connections essays, new and revised problems, and more. Most end of chapter problems are now available in the OWL v2 online learning system. - See more at: <http://www.cengage.com/search/product/Overview.do?Nit=shetitelheim32055039717924713418311458721577017661&N=16&Nik=APG%7CPEI&Nix=mode=matchallpartial#Review> Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Introduction to Animal Physiology

An Integrated Approach

HDEV

Guyton and Hall Textbook of Medical Physiology E-Book

National Library of Medicine Current Catalog

The keys for success can be found in the Study Guide for FUNDAMENTALS OF HUMAN PHYSIOLOGY. You will find useful tools including chapter outlines, key terms, review exercises and unique sections such as Points to Ponder, Clinical Perspectives, and Experiments of the Day.

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Senses

Introduction to Human Physiology Thomson Brooks/Cole

The third edition of this book incorporates thoroughly revised and updated text, organized into twelve sections and arranged in three parts. Part I: General Physiology includes one section having five chapters. Part II: Systemic Physiology has been arranged into ten sections, one on each body system. Part III: Specialized integrated physiology includes one section comprising of seven chapters. . Complete and up-to-date text incorporating recent advances. Illustrated by more than 1100 clear line diagrams. Complemented with numerous tables and flowcharts for quick comprehension. Applied aspects, highlighted in the boxes, have been expanded and updated with recent molecular concepts on pathophysiology, advances in investigations and therapeutic principles. Additional important information has been highlighted as important notes. The above features of this book make it an indispensable text for postgraduates in Physiology. Candidate preparing for PG entrance examination would also find it as an authentic reference source. Complimentary access to full e-book.

Fundamentals of Human Physiology

Textbook of Medical Physiology 3rd Edition-E-book

Human Anatomy

A Visual Analogy Guide to Human Anatomy & Physiology

Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care

The new edition has been significantly revised to include an expanded problem section at the end of each chapter with more quantitative examples and some clinical problems where appropriate. The clinical physiology chapter is now broken into several short chapters.

4LTR Press solutions give students the option to choose the format that best suits their learning preferences. This option is perfect for those students who focus on the textbook as their main course resource. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Plant Physiology and Development incorporates the latest advances in plant biology, making Plant Physiology the most authoritative and widely used upper-division plant biology textbook. Up to date, comprehensive, and meticulously illustrated, the improved integration of developmental material throughout the text ensures that Plant Physiology and Development provides the best educational foundation possible for the next generation of plant biologists. This new, updated edition includes current information to improve understanding while maintaining the core structure of the book. Figures have been revised and simplified wherever possible. To eliminate redundancy, stomatal function (Chapter 10 in the previous edition) has been reassigned to other chapters. In addition, a series of feature boxes related to climate change are also included in this edition. An enhanced ebook with embedded self-assessment, Web Topics and Web Essays and Study Questions is available with this edition.

This text book on Physiology of Animals is intended to be useful for elementary animal physiology course in colleges of agriculture, zoology, veterinary and animal sciences. In all s, the aim has been to present a clear and concise account of the functioning of various systems of domestic animals. Where appropriate, examples from human and non domestic animals such as rat and rabbit have been cited. Physiology has now grown into a vast discipline. The book covers and explains the following deeply: o Nature and Scope of Physiology o Body Fluids: Water, Electrolyte and Acid Base Balance o Respiration o Blood o Circulatory System o Structure & Functions of the Kidney o Rumen Function o Digestion & Metabolism o Vitamins and Minerals o Endocrine Glands and Their Secretions o Reproduction in the Male o Female Reproduction o Lactation o Nervous System o Bone, Skin and Special Senses o Physiology of Temperature Regulation

Parasitology

Human Body Systems

Integrated Endocrinology

Fundamentals of Biomechanics

UNDERSTANDING HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT, 11th Edition, looks at the lifespan through the lens of social work theory and practice, covering human development and behavior theories within the context of individual, family, group, organizational, and community systems. Using a chronological lifespan approach, the book presents separate chapters on biological, psychological, and social impacts at the different lifespan stages with an emphasis on strengths and empowerment. Part of the Brooks/Cole Empowerment Series, this edition is up to date and thoroughly integrates the core competencies and recommended behaviors outlined in the current Educational Policy and Accreditation Standards (EPAS) set by the Council on Social Work Education (CSWE). Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"This twelfth edition primarily updates the previous edition by adding more recent research and interpretations of the concepts and theoretical views associated with those concepts that were in the eleventh edition. Similar to the previous editions this new edition continues its two most distinctive features as an introductory motor learning and control textbook: its overall approach to the study of motor learning and control and the organization of the implementation of that approach. In every edition of this book, the overall approach has been the presentation of motor learning and control "concepts" to identify the common theme of each chapter. The concepts should be viewed as generalized statements and conclusions synthesized from collections of research findings. Following the concept statement is a description of a real-world application of the concept, which is then followed by discussions of specific topics and issues associated with the concept. An important part of these discussions are summaries of research evidence, on which we base our present knowledge of each topic and issue, as well as the implications of this knowledge for practitioners. The benefit of this organizational scheme is the presentation of motor learning and control as a set of principles and guidelines for practitioners, which are based on research evidence rather than on tradition or "how things have always been done"-.

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This innovative textbook provides a readable, contemporary and fully integrated introduction to endocrine glands, their hormones and how their function relates to homeostasis. It explores the pathology of endocrine disease by relating the underpinning science through a wealth of clinical scenarios and examples. The book integrates basic and clinical aspects for a range of endocrine glands and their hormones and includes a number of specialist chapters that also address areas of intense research and clinical interest including the regulation of salt, appetite and endocrine-immune interactions. Provides a fully-integrated, scientific and clinical introduction to endocrinology. Includes a wealth of colour illustrations to reinforce key concepts. Introduces clinical scenarios and leading questions to engage interest and illustrate the relevance of the underpinning science. Includes key references and suggestions for further reading at the end of each chapter. Written by a highly respected and experienced author team this new textbook will prove invaluable to students needing an original, integrated introduction to the subject across a variety of disciplines including biomedical science, pharmacology, bioengineering and pre-clinical medicine.

Modern Hydronic Heating: For Residential and Light Commercial Buildings

A Visual Analogy Guide to Human Physiology

Life Science Ethics

Biotransport: Principles and Applications

Human Physiology: From Cells to Systems

An ideal introduction to the theory and practical aspects of conservative dentistry, the tenth edition of Pickard's Guide to Minimally Invasive Operative Dentistry is a must-have text for all dental students, new graduates and oral healthcare professionals alike. Written in an easy to understand and concise style, the authors introduce the essentials of dental disease before outlining how to collect patient information clinically in order to detect, diagnose, plan and deliver care. Exploring key topics such as disease prevention and control, the principles of minimally invasive operative dentistry, contemporary restorative materials and procedures, this completely up-to-date revised edition integrates a thorough academic grounding for degree examination with an essential preparation for clinical practice for the whole oral healthcare team. Illustrated with step-by-step colour photos, common clinical procedures are clearly set out and labelled for beginners to learn. The tenth edition has been updated to reflect the latest evidence based guidelines for preventative management and there is a focus on maintaining existing restorations and follow up/long term care.

Organized around the central theme of homeostasis, HUMAN PHYSIOLOGY helps students appreciate the integrated functioning of the human body. Author Lauralee Sherwood uses clear, straightforward language, analogies, and frequent references to everyday experiences to help students learn and relate to physiology concepts, while the vibrant art program enables students to visualize important concepts and processes. By focusing on the core principles and sharing enthusiasm for the subject matter, Sherwood provides students with a solid foundation for future courses and careers in the health profession. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Against the background of often esoteric literature in semiotics, this book offers a fresh and rigorous new interpretation of how to approach the study of communication, signs and meaning. Grounded in a deductive theory of interacting systems, Piotr Sadowski's book provides an accessible account of the hierarchy of communication. Divided into two parts, this book argues in the first section that a deductive semiotic theory generates communication situations of increasing complexity, from continuous communication to indirect, referential forms based on indexical, iconic, and symbolic signs. Within this system, Sadowski explains how key concepts of the semiotic model such as information, parainformation and metainformation can account for degrees of cognitive complexity of communication processes, including the perception and interpretation of signs on literal and figurative levels. After this clear, step-by-step exposition of the theory of interacting systems, Systemic Semiotics then explores various applications of this theory, providing new insights into problems subsumed under communication studies, cultural theory, literary and film studies, and psychology.

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

The Analysis of Biological Data

Essentials of Physiology

Structure, Function, and Environment

Study Guide for Sherwood's Human Physiology: From Cells to Systems, 8th

Study Guide for Sherwood's Fundamentals of Human Physiology, 4th

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>.

The Visual Analogy Guides to Human Anatomy & Physiology, 3e is an affordable and effective study aid for students enrolled in an introductory anatomy and physiology sequence of courses. This book uses visual analogies to assist the student in learning the details of human anatomy and physiology. Using these analogies, students can take things they already know from experiences in everyday life and apply them to anatomical structures and physiological concepts with which they are unfamiliar. The study guide offers a variety of learning activities for students such as, labeling diagrams, creating their own drawings, or coloring existing black-and-white illustrations to better understand the material presented.

Asian Philosophies

Human Physiology

The Brain That Changes Itself

Animal Physiology

A Human Perspective