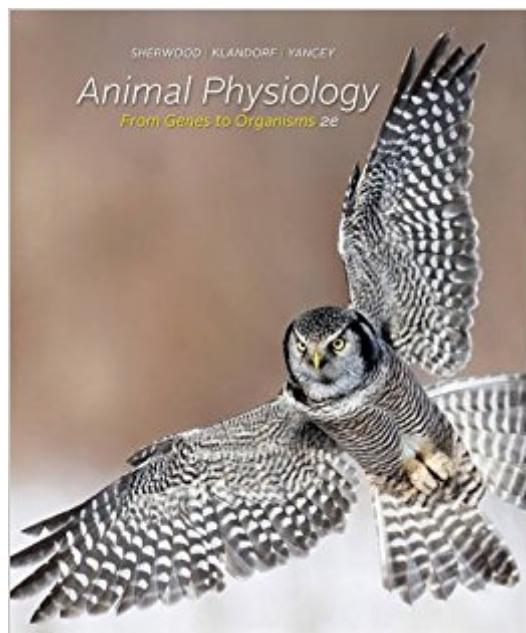


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# Animal Physiology: From Genes To Organisms



## Synopsis

Keep up with today's rapid advances in the biological sciences with ANIMAL PHYSIOLOGY: FROM GENES TO ORGANISMS 2E with CourseMate! With coverage of animal species that will be relevant to your animal-related career, this biology text provides you with the tools you need to succeed. Boxes found throughout the text such as Molecular Biology and Genomics, Beyond the Basics, Challenges and Controversies, Unanswered Questions, and A Closer Look at Adaptation give you examples of cutting-edge research and help you see how what you are learning applies to the real world. Check Your Understanding questions after each major section help you review the main ideas as you read. Each chapter then ends with a Chapter Summary, a set of Review, Synthesize, and Analyze questions, and a list of Suggested Readings for further study.

## Book Information

Hardcover: 896 pages

Publisher: Brooks Cole; 2 edition (January 1, 2012)

Language: English

ISBN-10: 0840068654

ISBN-13: 978-0840068651

Product Dimensions: 1.2 x 8.5 x 10.8 inches

Shipping Weight: 4.2 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 14 customer reviews

Best Sellers Rank: #26,699 in Books (See Top 100 in Books) #20 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Zoology #50 in Books > Science & Math > Biological Sciences > Zoology #101 in Books > Science & Math > Nature & Ecology > Fauna

## Customer Reviews

Following graduation from Michigan State University in 1966, Dr. Lauralee Sherwood joined the faculty at West Virginia University, where she is currently a Professor in the Department of Physiology and Pharmacology, School of Medicine. For the past 40 years, Professor Sherwood has taught an average of over 400 students each year in physiology courses for pharmacy, medical technology, physical therapy, occupational therapy, nursing, medical, dental, dental hygiene, nutrition, exercise physiology, and athletic training majors. She has authored three physiology textbooks: HUMAN PHYSIOLOGY: FROM CELLS TO SYSTEMS, FUNDAMENTALS OF HUMAN PHYSIOLOGY, and ANIMAL PHYSIOLOGY: FROM GENES TO ORGANISMS, all published by Cengage Learning/Brooks/Cole. Dr. Sherwood has received numerous teaching awards, including

an Amoco Foundation Outstanding Teacher Award, a Golden Key National Honor Society Outstanding Faculty Award, two listings in Who's Who Among America's Teachers, and the Dean's Award of Excellence in Education. Hillar Klandorf is a Professor of Animal and Veterinary Science at West Virginia University. He completed his Ph.D. degree through the British Council for National Academic Awards (CNAA) After completing two post-doctoral research programs he spent 3 1/2 years at UCLA studying agents that affect the onset of diabetes, and currently he is investigating factors that limit the accelerated tissue aging associated with the elevated plasma glucose concentrations in birds. He instructs animal physiology and animal behavior classes at West Virginia University. ANIMAL PHYSIOLOGY incorporates current physiological issues and ideas generated from students enrolled in the Animal Physiology class. Paul H. Yancey is a Professor of Biology at Whitman College. SINCE earning a Ph.D. in Marine Biology (with an emphasis in Animal Physiology and Biochemistry) from U.C.S.D., he HAS conducted research on invertebrates, fishes, and mammals at the University of St. Andrews (Scotland), the National Institutes of Health, the Mt. Desert Island Biological Laboratory, HOPKINS MARINE STATION, the Monterey Bay Aquarium Research Institute, and the University of Otago (New Zealand), as well as at Whitman College. His research is on biochemical and physiological adaptations to water stress. He teaches animal physiology, human anatomy and physiology, marine biology, and bioethics, and has won several teaching awards. Dr. Yancey brings a broad evolutionary perspective and 24 years of teaching experience to the writing of this text.

I chose this book as a secondary resource to my Functional Anatomy and Physiology of Domestic Animals book by Reece. I choose to read this one after Reece because it goes into more depth about the physiology of body systems but it is still easy to read and very reader friendly. I try to read Dukes after this one, but that book seems so dry to me. There are a lot of diagrams, pictures, and flow charts that go along with the text, so it's great if you are a visual learner and need some a visual representation to understand body processes. Again this is only one of many resources that you can use and I find that sometimes it does not go into as much detail as I would like but it is a great beginner book to introduce you to physiology of body systems without making you feel overwhelmed.

Needed it for an animal physiology class. It is explains material quite clearly and is easy to understand. Overall, it is a well written textbook.

Well-written and had a good number of charts and table to help summarize and explain information.

Would recommend

Good information as well as informative figures, diagrams, and graphs in text for an aid in explaining things. Overall a worthwhile textbook.

Book does not even look used. came earlier than expected.

Decent textbook for class, recommend it :)

Can read on my mac laptop but I can't read them on my iPhone Kindle app. I think this is common for textbooks.

Great edition of the book! Bought a used one and it came in great condition. Happy with my purchase.

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