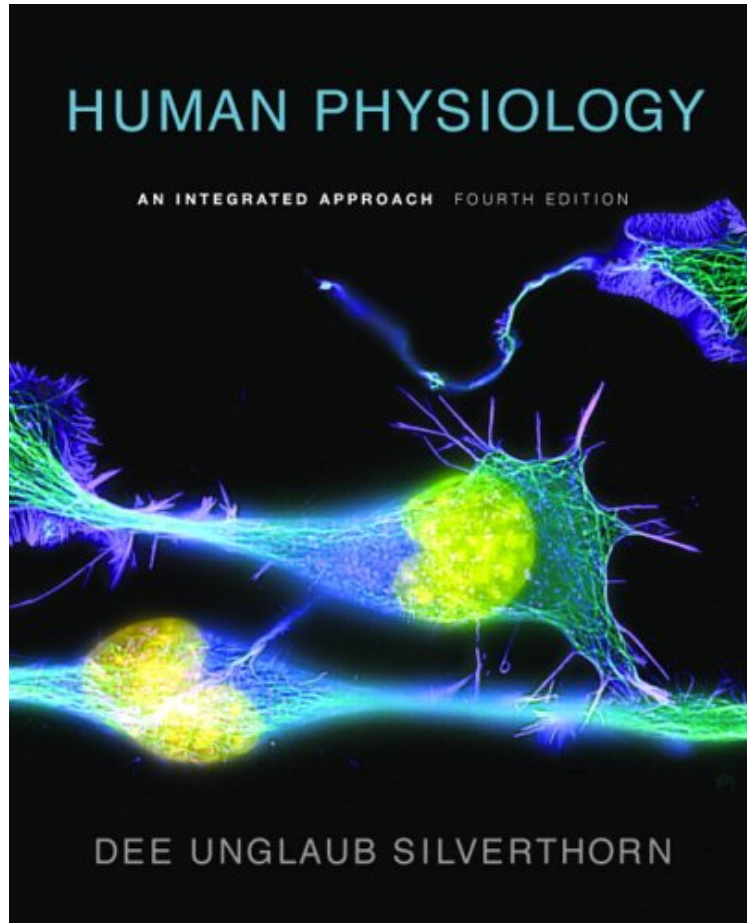


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## Human Physiology: An Integrated Approach (4th Edition)

*Dee Unglaub Silverthorn*

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**Dee Unglaub Silverthorn : Human Physiology: An Integrated Approach (4th Edition)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Human Physiology: An Integrated Approach (4th Edition):

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describing the symptoms and as the readers continues, the book will ask a question about that particular disease relating to the key concept that is covered. I think this is a great way to help apply the material learned in that section to a real life illness. This is better than the medical physiology book I currently have, which is overwhelming and more difficult to read. If only Dr. Silverthorn would also write one for graduate students, physiology would probably be more fun to learn! 2 of 2 people found the following review helpful. For uniBy FrankUsed this textbook for my uni course in Human Physiology. It has rather good content and the illustrations/graphs/figures and captions are quite helpful in visualising what you are learning. The only downside is it's super expensive new (but honestly which textbooks aren't), so find a used copy!

Human Physiology: An Integrated Approach broke ground with its thorough coverage of molecular physiology seamlessly integrated into a traditional homeostasis-based systems approach. The newly revised Fourth Edition strengthens the coverage of the big picture themes in the study of physiology and helps students tie concepts together in a logical framework for learning. BASIC CELL PROCESSES: INTEGRATION AND COORDINATION, Introduction to Physiology, Molecular Interactions, Compartmentation: Cells and Tissues, Energy and Cellular Metabolism, Membrane Dynamics, Communication, Integration, Homeostasis, HOMEOSTASIS AND CONTROL, Introduction to the Endocrine System, Neurons: Cellular and Network Properties, The Central Nervous System, Sensory Physiology, Efferent Division: Autonomic and Somatic Motor Control, Muscles, Integrative Physiology I: Control of Body Movement, INTEGRATION OF FUNCTION, Cardiovascular Physiology, Blood Flow and the Control of Blood Pressure, Blood, Mechanics of Breathing, Gas Exchange and Transport, The Kidneys, Integrative Physiology II: Fluid and Electrolyte Balance, METABOLISM, GROWTH, AND AGING, Digestion, Energy Balance and Metabolism, Endocrine Control of Growth and Metabolism, The Immune System, Integrative Physiology III: Exercise, Reproduction and Development. For all readers interested in the study of human physiology.

About the Author Dee Unglaub Silverthorn studied biology as an undergraduate at Tulane University and went on to earn a Ph.D. in marine science at the University of South Carolina. Her research interest is epithelial transport, and work in her laboratory currently focuses on transport properties of the chick allantoic membrane. She began her teaching career in the Physiology Department at the Medical University of South Carolina but over the years has taught a wide range of students, from medical and college students to those still preparing for higher education. At the University of Texas she lectures in physiology, coordinates student laboratories in physiology, and instructs graduate students in a course on developing teaching skills in the life sciences. She has substantial experience with active learning in the classroom and has given workshops on this subject at regional, national, and international conferences. Dee is currently editor-in-chief of *Advances in Physiology Education* and past-chair of the Teaching Section of the American Physiological Society. She works with members of the International Union of Physiological Sciences to improve physiology education in developing countries. She is also a member of the Human Anatomy and Physiology Society, the Society for Comparative and Integrative Biology, the Association for Biology Laboratory Education, and the Society for College Science Teaching. Her free time is spent creating multimedia fiber art and enjoying the Texas hill country with her husband, Andy, and their three dogs.