

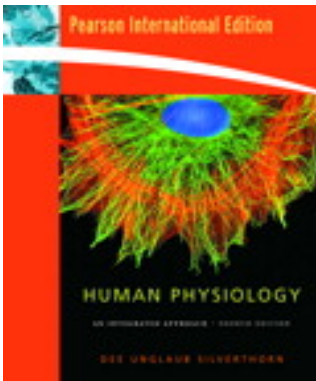


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# Human Physiology: An Integrated Approach, 4th Edition

By Dee Silverthorn



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. Recognized as an extraordinary educator and meticulous author, Dr. Silverthorn also incorporates time-tested classroom techniques throughout the text and presents thorough, up-to-date coverage of new scientific discoveries, biotechnology techniques, and treatments of disorders.

Dr. Silverthorn also wrote the accompanying Student Workbook and co-authored the accompanying Instructor’s Resource Manual, ensuring that these ancillaries reinforce the pedagogical approach of the text. The revised edition is automatically packaged with the new InterActive Physiology® 9-System Suite CD-ROM, featuring a new module on the Digestive System.

- Four chapters on Integrative Physiology (Chapters 6, 13, 20, and 25) ask students to step back and look at the big picture to discover how the separate physiological processes work together in an integrated system
- Interactive pedagogy encourages students to assess their knowledge as they read rather than waiting until the end of the chapter
- Background Basics sections at the beginning of each chapter allow students to revisit and review topics for the upcoming chapter
- Concept Links help students locate material they need to review
- Concept Checks are placed at intervals throughout the chapters and ask students to test their understanding before continuing to the next topic
- Figure and graph questions promote analytical skills by asking students to interpret information presented in the art
- Real-life Running Problems appear in segments throughout each chapter and require students to apply what they have learned to a pathophysiology case study. The End-of-chapter, 4-level learning system helps build student confidence and understanding by progressing from factual questions to conceptual problems to analytical exercises to quantitative questions.
- Superb art program features: Full-spread Anatomy Summaries show the anatomy of a physiological system from a macro to micro perspective and Reflex pathway maps and concept maps present material in a logical, consistent, and easy-to-navigate format

**Dee Unglaub Silverthorn**, Lecturer at the University of Texas and editor-in-chief of *Advances in Physiology Education* & past-chair of the Teaching Section of the American Physiological Society