DESCRIPTION

This 14th edition of the phenomenally successful *Principles of Anatomy and Physiology* continues to set the standard for the discipline. Written and superbly illustrated for two-term, introductory Anatomy and Physiology students, this text offers a rich and complete teaching and learning environment. WileyPLUS sold separately from text.

ABOUT THE AUTHOR

**Gerard J. Tortora** is Professor of Biology and former Coordinator at Bergen Community College in Paramus, NJ, where he teaches human anatomy and physiology as well as microbiology. He received his bachelor's degree in biology from Fairleigh Dickinson University and his master's degree in science education from Montclair State College. He is a member of many professional organizations, such as the Human Anatomy and Physiology Society (HAPS), the American Society of Microbiology (ASM), American Association for the Advancement of Science (AAAS), National Education Association (NEA), and the Metropolitan Association of College and University Biologists (MACUB).

**Bryan Derrickson** is Professor of Biology at Valencia Community College in Orlando, Florida, where he teaches human anatomy and physiology as well as general biology and human sexuality. He received his bachelor's degree in biology from Morehouse College and his Ph.D. in Cell Biology from Duke University. Bryan's study at Duke was in the Physiology Division within the Department of Cell Biology, so while his degree is in Cell Biology his training focused on physiology. At Valencia, he frequently serves on faculty hiring committees. He has served as a member of the Faculty Senate, which is the governing body of the college, and as a member of the Faculty Academy Committee (now called the Teaching and Learning Academy), which sets the standards.
for the acquisition of tenure by faculty members. Nationally, he is a member of the Human Anatomy and Physiology Society (HAPS) and the National Association of Biology Teachers (NABT).

RELATED RESOURCES

**Student**
View Student Companion Site

**Instructor**
View Instructor Companion Site

Contact your Rep for all inquiries

NEW TO EDITION

- Completely revised feedback diagrams throughout the material that consistently and visually strengthen student understanding of this important principle.

- Newly designed end-of chapter “Focus on Homeostasis” pages

- New chapter opening questions stimulate interest with new accompanying photos.

- Clinical Connections have been incorporated into several figures for immediate reinforcement of the relationship between the illustration and Clinical Connection.

- The anatomical terminology is based on Terminology Anatomica – enhanced glossary for this edition.

FEATURES

- **WileyPLUS** is a research-based online environment for effective teaching and learning. WileyPLUS is rich with interactive study tools and resources—including the complete online textbook—to guide your students through the course.

- WileyPLUS now includes an adaptive learning module called ORION. Based on cognitive science, WileyPLUS with ORION provides students with a personal, adaptive learning experience so they can build their proficiency on topics and use their study time most effectively. WileyPLUS with ORION helps students learn by learning about them.
• **Real Anatomy 2.0** is web-based 3-D imaging software that allows students to dissect through over 40 layers of a real human body to study the anatomical structures of all body systems. The software is web-based and integrated in WileyPLUS along with worksheets and questions designed to optimize student use.

• **PowerPhys 3.0** is physiological simulation software authored by teaching lab faculty. The activities focus on core physiological concepts and reinforce techniques experienced in the lab.

• The **illustrations**—each including a key concept statement and review question—enable students to make the connection between text and visual elements.

• Praised by students for its **straightforward and easily comprehensible** writing style, the narrative emphasizes scientific content over extraneous detail.

• Duel Themes of **Homeostasis and Disruptions to Homeostasis** are effectively presented through the relevant use of in-chapter Clinical Connections, end-of-chapter disorder boxes, and end-of-chapter lists of medical terminology.

To purchase this product, please visit [https://www.wiley.com/en-us/9781119625575](https://www.wiley.com/en-us/9781119625575)