

# Human Anatomy & Physiology Laboratory Manual, Main Version (11th Edition)

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For the two-semester A&P laboratory course.

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Helping millions of future healthcare professionals prepare for lab and practice lab concepts.

Revered for its thorough, clearly written exercises and explanations, Human Anatomy & Physiology Laboratory Manual has provided millions of future healthcare professionals with a complete hands-on laboratory and learning experience. The fully revised Eleventh Edition provides a more active, workbook-style approach that incorporates visual summaries, streamlines information, and engages students with hands-on drawing and review activities. New features include assignable Pre-lab Videos that introduce students to the lab and related equipment, and "Why this Matters," which shows the relevance of lab activities to real-life and clinical examples. This edition is fully integrated with MasteringA&P, offering assignable visual media and activities that promote active learning and engage students.

For the first time, the lab manual is publishing alongside Marieb/Hoehn's best-selling Human Anatomy & Physiology . Designed to meet the needs of the 2-semester A&P laboratory course, the manual can be used with any A&P textbook and is available in a customized edition, as well as in three conventional versions: Main (Eleventh Edition), Cat (Twelfth Edition), and Fetal Pig (Twelfth Edition).

Also Available with MasteringA&P [?](#)

This title is also available with MasteringA&P - an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them better absorb course material and understand difficult concepts. Students, if interested in purchasing this title with MasteringA&P, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.

For Elaine N. Marieb, taking the student's perspective into account has always been an integral part of her teaching style. Dr. Marieb began her teaching career at Springfield College, where she taught anatomy and physiology to physical education majors. She then joined the faculty of the Biological Science Division of Holyoke Community College in 1969 after receiving her Ph.D. in zoology from the University of Massachusetts at Amherst. While teaching at Holyoke Community College, where many of her students were pursuing nursing degrees, she developed a desire to better understand the relationship between the scientific study of the human body and the clinical aspects of the nursing practice. To that end, while continuing to teach full time, Dr. Marieb pursued her nursing education, which culminated in a Master of Science degree with a clinical specialization in gerontology from the University of Massachusetts. It is this experience that has informed the development of the unique perspective and accessibility for which her publications are known.

Dr. Marieb has partnered with Benjamin Cummings for over 30 years. Her first work was Human Anatomy & Physiology Laboratory Manual (Cat Version), which came out in 1981. In the years since, several other lab manual versions and study guides, as well as the softcover Essentials of Human Anatomy & Physiology textbook, have hit the campus bookstores. This textbook, now in its Ninth edition, made its appearance in 1989 and is the latest expression of her commitment to the needs of students studying human anatomy and physiology.

Dr. Marieb has given generously to provide opportunities for students to further their education. She contributes to the New Directions, New Careers Program at Holyoke Community College by funding a staffed drop-in center and by providing several full-tuition scholarships each year for women who are returning to college after a hiatus or attending college for the first time and who would be unable to continue their studies without financial support. She funds the E. N. Marieb Science Research Awards at Mount Holyoke College, which promotes research by undergraduate science majors, and has underwritten renovation and updating of one of the biology labs in Clapp Laboratory at that college. Dr. Marieb also contributes to the University of Massachusetts at Amherst where she generously provided funding for reconstruction and instrumentation of a cutting-edge cytology research laboratory. Recognizing the severe national shortage of nursing faculty, she underwrites the Nursing Scholars of the Future Grant Program at the university.

In 1994, Dr. Marieb received the Benefactor Award from the National Council for Resource Development, American Association of Community Colleges, which recognizes her ongoing sponsorship of student scholarships, faculty teaching awards, and other academic contributions to Holyoke Community College. In May 2000, the science building at Holyoke Community College was named in her honor.

In January 2012, Florida Gulf Coast University named a new health professions facility "Dr. Elaine Nicpon Marieb Hall." With the help of Dr. Marieb's generous donation, this facility contains laboratories in the School of Nursing that simulate an operating room, intensive-care unit, a labor and delivery room, and general medical surgical suites. She has also established a scholarship endowment for non-traditional students in the health professions, and an endowment to enhance the activities of faculty, students, and staff within health

professions to support education, research, and community outreach.

Dr. Marieb is an active member of the Human Anatomy and Physiology Society (HAPS) and the American Association for the Advancement of Science (AAAS). Additionally, while actively engaged as an author, Dr. Marieb serves as a consultant for the Benjamin Cummings Interactive Physiology<sup>®</sup> CD-ROM series.

When not involved in academic pursuits, Dr. Marieb is a world traveler and has vowed to visit every country on this planet. Shorter term, she serves on the scholarship committee of the Women's Resources Center and on the board of directors of several charitable institutions in Sarasota County. She is an enthusiastic supporter of the local arts and enjoys a competitive match of doubles tennis.

Lori A. Smith received her Ph.D. in Biochemistry from the University of California at Davis. Before discovering her passion for teaching, she worked as a research scientist and project leader in the medical diagnostics industry. In 1999, she joined the faculty at American River College in the Biology Department. Currently she teaches anatomy and physiology and microbiology to pre-nursing and mortuary science students at American River College. Starting in 2005, she began co-authoring Pearson's PhysioEx: Laboratory Simulations in Physiology and has continued to co-author several versions of the software and lab manual. Dr. Smith has been awarded "Instructor of the Year" by the American River College Associated Students for her commitment to serving students, and she is a member of the Human Anatomy and Physiology Society (HAPS) and the National Association of Biology Teachers (NABT).

#### Other Books

Human Anatomy, Loose-Leaf Edition, NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab<sup>™</sup> or Mastering<sup>™</sup>, several versions may exist for each title and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For one-semester courses in human anatomy. A functional approach to human anatomy, available in a multifunctional eText Human Anatomy, the #1 best-selling textbook for the human anatomy course, is widely regarded as the most readable and visually accessible book on the market. Using a functional anatomy theme, the text presents human anatomy as a well-illustrated "story" with the right amount of detail that learners can understand at an introductory level. Analogies and comparative descriptions make anatomical structures more memorable and understandable, and explain how the shape and composition of structures allow them to perform their functions. The 9th Edition features new exercises and questions that help students learn and use anatomical language and interpret real-world medical images while learning basic human anatomy. Building on the functional anatomy approach of previous editions, selected illustrated tables have been enhanced to tell a more cohesive and logical "story" of human anatomy. In the eText edition, dozens of embedded videos and animations help students visualize, manage, and master anatomical terms and structures, along with instant cross-

referencing that eliminates the need to flip pages to connect concepts across body systems. Also available with Mastering A&P By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. Built for, and directly tied to the text, Mastering A&P enables an extension of learning, allowing students a platform to practice, learn, and apply outside of the classroom. NOTE: You are purchasing a standalone product; Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with Mastering A&P, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the loose-leaf version of the text and Mastering A&P search for: 013523784X / 9780135237847 Human Anatomy, Loose-Leaf Plus Mastering A&P with eText -- Access Card Package Package consists of: 0135206197 / 9780135206195 Human Anatomy, Loose-Leaf Edition 0135202086 / 9780135202081 Mastering A&P with Pearson eText -- ValuePack Access Card -- for Human Anatomy

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