

Essential Biology with Physiology (2nd Edition)


By Neil A. Campbell, Jane B. Reece, Eric J. Simon

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Editorial Review

From the Back Cover

Essential Biology with Physiology is a brief non-majors biology book that combines the clear writing, real-world applications, vivid art program, and powerful media of Essential Biology, Second Edition, but also includes nine new chapters on animal and plant physiology. Essential Biology with Physiology helps readers become informed citizens by focusing on evolution, human applications, and up-to-date information on important issues like DNA technology, cloning, and global warming. For college instructors, students, or anyone interested in biology.

About the Author

Neil A. Campbell combined the investigative nature of a research scientist with the soul of an experienced and caring teacher. He earned his M.A. in Zoology from UCLA and his Ph.D. in Plant Biology from the University of California, Riverside, where he received the Distinguished Alumnus Award in 2001. Dr. Campbell published numerous research articles on how certain desert plants thrive in salty soil and how sensitive plant (*Mimosa*) and other legumes move their leaves. His 30 years of teaching in diverse environments included general biology courses at Cornell University, Pomona College, and San Bernardino Valley College, where he received the college's first Outstanding Professor Award in 1986. Most recently Dr. Campbell was a visiting scholar in the Department of Botany and Plant Sciences at the University of California, Riverside. In addition to his authorship of this book, he coauthored *Biology: Concepts & Connections* and *BIOLOGY* with Jane Reece. Each year, over 600,000 students worldwide use Campbell/Reece biology textbooks.

Jane B. Reece has worked in biology publishing since 1978, when she joined the editorial staff of Benjamin Cummings. Her education includes an A.B. in Biology from Harvard University, an M.S. in Microbiology from Rutgers University, and a Ph.D. in Bacteriology from the University of California, Berkeley. At UC Berkeley and later as a post-doctoral fellow in genetics at Stanford University, her research focused on genetic recombination in bacteria. Dr. Reece taught biology at Middlesex County College (New Jersey) and Queensborough Community College (New York). As an editor at Benjamin Cummings, Dr. Reece played major roles in a number of successful textbooks. In addition to being a coauthor with Neil Campbell on *Biology: Concepts & Connections*, and *BIOLOGY*, she coauthored *The World of the Cell*, Third Edition, with W.M. Becker and M.F. Poenie.

Eric J. Simon is an Assistant Professor of Biology at New England college in Henniker, New Hampshire. He teaches introductory biology to both biology majors and no-biology majors, as well as upper-level biology courses in genetics, microbiology, and molecular biology. Dr. Simon received a B.A. in Biology and Computer Science and an M.A. in Biology from Wesleyan University, and a Ph.D. in Biochemistry at Harvard University. Currently, he is working toward an M.S.Ed. in Educational Psychology. Dr. Simon's diverse classroom experience includes teaching both biology majors and non-biology majors at numerous institutions, including St. John's University (Minnesota), Minneapolis Community and Technical College—where he earned an Outstanding Teacher Award—and Fordham College at Lincoln Center in New

York City. Dr. Simon's research focuses on innovative ways for using technology to improve teaching and learning in the science classroom, particularly among non-biology major students.

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