

Evolution

By Stephen Stearns, Rolf Hoekstra

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The second edition of *Evolution* introduces the basic mechanisms of microevolution, natural selection, and macroevolutionary processes such as speciation and extinction. It also examines key events in evolution throughout the geological record and discusses coevolution and evolutionary medicine. In addition, the text discusses unsolved problems and looks ahead to future developments in this dynamic field.

The text is organized into five parts. Part One introduces the basic mechanisms of microevolution: selection, inheritance, and development. Part Two considers how natural selection has designed organisms for reproductive success. Part Three explores macroevolutionary processes such as speciation and extinction. Part Four examines key events in evolution throughout the geological record. Part Five discusses coevolution and evolutionary medicine, which integrate and contrast micro- and macroevolution. The book closes with a chapter that recapsulates major issues, discusses unsolved problems, and looks ahead to future developments in this dynamic field.

Evolution, Second Edition, is ideal for introductory undergraduate courses in evolutionary biology. A companion website contains downloadable images from the text, interactive simulations to help students explore the subject in a hands-on manner, and additional study questions with answers. Access it at http://www.oup.com/uk/booksites/content/0199255636/.

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Editorial Review

Review
`Review from previous edition I felt I must write and congratulate you and thank you for the excellent text-book you and your co-author.....have written. I am full of admiration of your skill in writing briefly and succinctly and yet cover so much ground and making it clear that in many cases things are not all that straightforward. As has been said, any fool can write a thick book but it takes talent to write a short one. I am convinced your book will be widely used and make splendid service in many years to come.' Staffan Ulfstrand at Uppsala.

`..a nice, slim, inexpensive, up-to-date, user-friendly textbook pitched at exactly the right level...Stearns and Hoekstra excel both on presentation and content. The uncluttered pages and numerous sub-headings are inviting...The questions at the end of each chapter are thought provoking...the best undergraduate evolution textbook available.' George F Turner, Head of Biochemistry, University of Southampton/The Times Higher Education Supplement, February 2000

About the Author

Stephen Stearns is Professor of Ecology and Evolutionary Biology at Yale University.

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