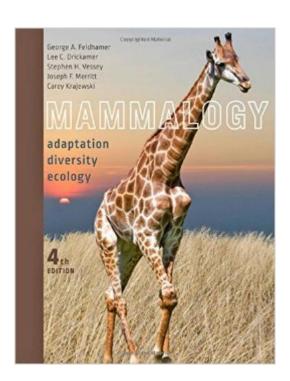
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Mammalogy: Adaptation, Diversity, Ecology





Synopsis

Reflecting the expertise and perspective of five leading mammalogists, the fourth edition of Mammalogy: Adaptation, Diversity, Ecology significantly updates taxonomy, includes a new chapter on mammalian molecular phylogenetics, and highlights several recently described species. There are close to 5,500 species in the class Mammalia, including the blue whalea •the largest animal that has ever liveda •and the pygmy shrew, which weighs little more than a penny. The functional diversity of mammals has allowed them to play critical roles in every ecosystem, whether marine, freshwater, alpine, tundra, forest, or desert. Many mammal species are critically endangered and present complex conservation and management challenges. This book touches on those challenges, which are often precipitated by overharvesting and habitat loss, as well as emerging threats, such as the impact of wind turbines and white nose syndrome on bats and chronic wasting disease on deer. Among the updates and additions to the fourth edition of Mammalogy are numerous new photos, figures, and cladograms, over 4,200 references, as well asâ ¢ A completely new chapter on mammalian phylogeny and genomicsâ ¢ Current taxonomyâ •including major changes to orders, suborders, and superfamilies of bats and rodentsâ ¢ An explanation of the recent inclusion of whales with terrestrial even-toed ungulatesâ ¢ Updates on mammalian structural, functional adaptations, and fossil historyâ ¢ recent advances in our understanding of phylogeny, biogeography, social behavior, and ecologyâ ¢ A discussion of two new orders and thirteen newly recognized extant families â ¢ Reflections on the implications of climate change for mammalsâ ¢ Thorough examinations of several recently described species, including Durrellâ ™s vontsira (Salanoia durrelli) and the Laotian rock rat (Laonastes aenigmamus)â ¢ An explanation of mammalian biomechanics, such as that seen in lunge feeding of baleen whalesâ ¢ Breakout boxes on unique aspects of mammals, including the syntax of bat songs, singing mice, and why there are no green mammals (unless we count algae-covered sloths) Maintaining the accessible, readable style for which Feldhamer and his coauthors are well known, this new edition of Mammalogy is the authoritative textbook on this amazingly diverse class of vertebrates.

Book Information

Hardcover: 768 pages

Publisher: Johns Hopkins University Press; fourth edition edition (November 14, 2014)

Language: English

ISBN-10: 1421415887

ISBN-13: 978-1421415888

Product Dimensions: 8.5 x 2 x 11 inches

Shipping Weight: 5 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars Â See all reviews (3 customer reviews)

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SOOOOOO DRYYYYYY

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