

A Primer Of Conservation Biology Fourth Edition

Fran and Frederick Hamerstrom Essentials of Conservation Biology Conservation Biology in Sub-Saharan Africa Conservation and Biodiversity A Primer of Ecology The Green Leap Marine Conservation Biology Parameter Estimation for Animal Populations A Primer on Reptiles and Amphibians Experimental Approaches to Conservation Biology Practical Ecology for Planners, Developers, and Citizens A Primer of Conservation Genetics A Primer of Molecular Population Genetics Conservation Genetics The Florida Manatee Primer of Ecological Restoration Key Topics in Conservation Biology 2 Statistical Ecology A Primer of Conservation Biology Insect Conservation Biology (Conservation Biology, No 2) Phylogenomics Tropical Rain Forests Reintroduction Biology A Primer of Ecological Genetics Marine Ornamental Shrimp Conservation Biology Conservation Biology Conservation Biology for All Conservation Science: Balancing the Needs of People and Nature A Primer of Conservation Biology Conservation Behavior A Primer of Conservation Biology Problem-Solving in Conservation Biology and Wildlife Management Fundamentals of Conservation Biology Introduction to Conservation Genetics A Primer of Ecology with RA Primer of Conservation Behavior Tropical Conservation An Introduction to Conservation Biology Conservation Biology

Fran and Frederick Hamerstrom

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This text introduces the key elements of the dynamic, multidisciplinary field of conservation biology, covering such issues as sustainable development, global warming and strategies to save species on the verge of extinction.

Essentials of Conservation Biology

This concise, entry level text provides an introduction to the importance of genetic studies in conservation and presents the essentials of the discipline in an easy-to-follow format, with main points and terms clearly highlighted. The authors assume only a basic knowledge of Mendelian genetics and simple statistics, making the book accessible to those with a limited background in these areas. Connections between conservation genetics and the wider field of conservation biology are interwoven throughout the book. Worked examples are provided throughout to help illustrate key equations and glossary and suggestions for further reading provide additional support for the reader. Many beautiful pen and ink portraits of endangered species are included to enhance the text. Written for short, introductory level courses in genetics, conservation genetics and conservation biology, this book will also be suitable for practising conservation biologists, zoo biologists and wildlife managers.

Conservation Biology in Sub-Saharan Africa

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"Mark Hostetler takes an original approach to conserving resources in human-dominated landscapes. Taking into account multiple perspectives and written with an emphasis on the construction and post-construction phases, *The Green Leap* presents tangible ways to satisfy both human and natural resources needs."--Dr. David Drake, Department of Forest and Wildlife Ecology, University of Wisconsin

"*The Green Leap* is one of the first books that brings together recent research on urban ecology and urban wildlife conservation, with emerging trends in sustainable development and green design. Hostetler's book is a welcome addition to the urban wildlife and conservation biology literature and will also be of interest to those interested in urban planning and green design."-Charles Nilon, Department of Fisheries and Wildlife Sciences, University of Missouri

Conservation and Biodiversity

This book covers basic concepts in population and quantitative genetics, including measuring selection on phenotypic traits. The emphasis is on material applicable to field studies of evolution focusing on ecologically important traits. Topics addressed are critical for training students in ecology, evolution, conservation biology, agriculture, forestry, and wildlife management. Many texts in this field are too complex and mathematical to allow the average beginning student to readily grasp the key concepts. *A Primer of Ecological Genetics*, in contrast, employs

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mathematics and statistics-fully explained, but at a less advanced level-as tools to improve understanding of biological principles. The main goal is to enable students to understand the concepts well enough that they can gain entry into the primary literature. Integration of the different chapters of the book shows students how diverse concepts relate to each other.

A Primer of Ecology

The realms of conservationists and entomologists are brought together.

The Green Leap

Conservation behavior assists the investigation of species endangerment associated with managing animals impacted by anthropogenic activities. It employs a theoretical framework that examines the mechanisms, development, function, and phylogeny of behavior variation in order to develop practical tools for preventing biodiversity loss and extinction. Developed from a symposium held at the International Congress on Conservation Biology in 2011, this is the first book to offer an in-depth, logical framework that identifies three vital areas for understanding conservation behavior: anthropogenic threats to wildlife, conservation and management protocols, and indicators of anthropogenic threats.

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Bridging the gap between behavioral ecology and conservation biology, this volume ascertains key links between the fields, explores the theoretical foundations of these linkages, and connects them to practical wildlife management tools and concise applicable advice. Adopting a clear and structured approach throughout, this book is a vital resource for graduate students, academic researchers, and wildlife managers.

Marine Conservation Biology

This book is a simple introduction to the logic behind analyses and sampling design for mark-recapture and survey efforts. With a focus on the early user and beginner, the book explains the complicated formulas and statistics that can be effectively used around the world in support of conservation efforts.

Parameter Estimation for Animal Populations

What are the genomic signatures of adaptations in DNA? How often does natural selection dictate changes to DNA? How does the ebb and flow in the abundance of individuals over time get marked onto chromosomes to record genetic history? Molecular population genetics seeks to answer such questions by explaining genetic variation and molecular evolution from micro-evolutionary principles. It

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provides a way to learn about how evolution works and how it shapes species by incorporating molecular details of DNA as the heritable material. It enables us to understand the logic of how mutations originate, change in abundance in populations, and become fixed as DNA sequence divergence between species. With the revolutionary advances in genomic data acquisition, understanding molecular population genetics is now a fundamental requirement for today's life scientists. These concepts apply in analysis of personal genomics, genome-wide association studies, landscape and conservation genetics, forensics, molecular anthropology, and selection scans. This book introduces, in an accessible way, the bare essentials of the theory and practice of molecular population genetics.

A Primer on Reptiles and Amphibians

Following the much acclaimed success of the first volume of Key Topics in Conservation Biology, this entirely new second volume addresses an innovative array of key topics in contemporary conservation biology. Written by an internationally renowned team of authors, Key Topics in Conservation Biology 2 adds to the still topical foundations laid in the first volume (published in 2007) by exploring a further 25 cutting-edge issues in modern biodiversity conservation, including controversial subjects such as setting conservation priorities, balancing the focus on species and ecosystems, and financial mechanisms to value biodiversity and pay for its conservation. Other chapters, setting the

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framework for conservation, address the sociology and philosophy of peoples' relation with Nature and its impact on health, and such challenging practical issues as wildlife trade and conflict between people and carnivores. As a new development, this second volume of Key Topics includes chapters on major ecosystems, such as forests, islands and both fresh and marine waters, along with case studies of the conservation of major taxa: plants, butterflies, birds and mammals. A further selection of topics consider how to safeguard the future through monitoring, reserve planning, corridors and connectivity, together with approaches to reintroduction and re-wilding, along with managing wildlife disease. A final chapter, by the editors, synthesises thinking on the relationship between biodiversity conservation and human development. Each topic is explored by a team of top international experts, assembled to bring their own cross-cutting knowledge to a penetrating synthesis of the issues from both theoretical and practical perspectives. The interdisciplinary nature of biodiversity conservation is reflected throughout the book. Each essay examines the fundamental principles of the topic, the methodologies involved and, crucially, the human dimension. In this way, Key Topics in Conservation Biology 2, like its sister volume, Key Topics in Conservation Biology, embraces issues from cutting-edge ecological science to policy, environmental economics, governance, ethics, and the practical issues of implementation. Key Topics in Conservation Biology 2 will, like its sister volume, be a valuable resource in universities and colleges, government departments, and conservation agencies. It is aimed particularly at senior undergraduate and

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graduate students in conservation biology and wildlife management and wider ecological and environmental subjects, and those taking Masters degrees in any field relevant to conservation and the environment. Conservation practitioners, policy-makers, and the wider general public eager to understand more about important environmental issues will also find this book invaluable.

Experimental Approaches to Conservation Biology

Provides simple explanations of the important concepts in population and community ecology. Provides R code throughout, to illustrate model development and analysis, as well as appendix introducing the R language. Interweaves ecological content and code so that either stands alone. Supplemental web site for additional code.

Practical Ecology for Planners, Developers, and Citizens

Combines theory and research findings to explain links between conservation biology and environmental economics, ethics, law and the social sciences. The author stresses that people and governments can all contribute to protecting biological diversity and promote sustainable development.

A Primer of Conservation Genetics

Marine Conservation Biology brings together for the first time in a single volume leading experts from around the world to apply the lessons and thinking of conservation biology to marine issues.

A Primer of Molecular Population Genetics

Annotation Introduces key ecological concepts for planners, landscape architects, developers, and others involved in planning and building human habitats. It offers clear guidelines and a wealth of information on how we can protect species and ecosystems while at the same creating healthy, sustainable human communities.

Conservation Genetics

A detailed exposition of the most common mathematical models in population and community ecology, covering exponential and logistic population growth, age-structured demography, metapopulation dynamics, competition, predation, and island biogeography. Intended to demystify ecological models and the math behind them by deriving the models from first principles. The primer may be used as a self-teaching tutorial, as a primary textbook, or as a supplemental text to a general

ecology textbook. Annotation copyright by Book News, Inc., Portland, OR

The Florida Manatee

Marine ornamental shrimp are amongst the most heavily traded invertebrate species in the aquarium industry. The majority of traded species are still collected from the wild, having a major effect on ocean ecosystems. An increase in the amount of culture of these species is now a major priority for those in the trade and for marine conservationists. Marine Ornamental Shrimp provides a global overview of the biology, culture and conservation of the major families of marine ornamental shrimp. Coverage in this thorough volume includes ecological aspects, reproductive biology, major techniques used in culture systems for maturation, larviculture, and juvenile growth, and details of the main conservation issues surrounding these important species including a discussion of the negative aspects of wild specimen collection and the ongoing efforts to mitigate such impacts. Marine Ornamental Shrimp is an important and extremely timely publication which will be an essential reference and manual for all those involved in the trade and culture of marine ornamental species, including aquaculture scientists and personnel in aquaria. Conservation biologists and invertebrate zoologists will also find much of importance within this book. Libraries in all universities and research establishments where aquaculture and biological sciences are studied and taught should have copies of this book on their shelves.

Primer of Ecological Restoration

Ecological community data. Spatial pattern analysis. Species-abundance relations. Species affinity. Community classification. Community ordination. Community interpretation.

Key Topics in Conservation Biology 2

This is a book well suited for a wide range of undergraduate courses, as both a primary text for conservation biology courses and a supplement for ecological and environmental science courses.

Statistical Ecology

In the new edition of this highly successful book, Malcolm Hunter and new co-author James Gibbs offer a thorough introduction to the fascinating and important field of conservation biology, focusing on what can be done to maintain biodiversity through management of ecosystems and populations. Starting with a succinct look at conservation and biodiversity, this book progresses to contend with some of the subject's most complex topics, such as mass extinctions, ecosystem degradation, and over exploitation. Discusses social, political, and

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economic aspects of conservation biology. Thoroughly revised with over six hundred new references and web links to many of the organizations involved in conservation biology, striking photographs and maps. Artwork from the book is available to instructors online at www.blackwellpublishing.com/hunter and by request on CD-ROM.

A Primer of Conservation Biology

This impressive author team brings the wealth of advances in conservation genetics into the new edition of this introductory text, including new chapters on population genomics and genetic issues in introduced and invasive species. They continue the strong learning features for students - main points in the margin, chapter summaries, vital support with the mathematics, and further reading - and now guide the reader to software and databases. Many new references reflect the expansion of this field. With examples from mammals, birds,

Insect Conservation Biology (Conservation Biology, No 2)

It follows naturally from the widely accepted Darwinian dictum that failures of populations or of species to adapt and to evolve under changing environments will result in their extinction. Population geneticists have proclaimed a centerstage

role in developing conservation biology theory and applications. However, we must critically reexamine what we know and how we can make rational contributions. We ask: Is genetic variation really important for the persistence of species? Has any species become extinct because it ran out of genetic variation or because of inbreeding depression? Are demographic and environmental stochasticity by far more important for the fate of a population or species than genetic stochasticity (genetic drift and inbreeding)? Is there more to genetics than being a tool for assessing reproductive units and migration rates? Does conventional wisdom on inbreeding and "magic numbers" or rules of thumb on critical effective population sizes (MVP estimators) reflect any useful guidelines in conservation biology? What messages or guidelines from genetics can we reliably provide to those that work with conservation in practice? Is empirical work on numerous threatened habitats and taxa gathering population genetic information that we can use to test these guidelines? These and other questions were raised in the invitation to a symposium on conservation genetics held in May 1993 in pleasant surroundings at an old manor house in southern Jutland, Denmark.

Phylogenomics

Original publication and copyright date: 2006.

Tropical Rain Forests

Phylogenomics: A Primer, Second Edition is for advanced undergraduate and graduate biology students studying molecular biology, comparative biology, evolution, genomics, and biodiversity. This book explains the essential concepts underlying the storage and manipulation of genomics level data, construction of phylogenetic trees, population genetics, natural selection, the tree of life, DNA barcoding, and metagenomics. The inclusion of problem-solving exercises in each chapter provides students with a solid grasp of the important molecular and evolutionary questions facing modern biologists as well as the tools needed to answer them.

Reintroduction Biology

This set of exercises has been created expressly for students and teachers of conservation biology and wildlife management who want to have an impact beyond the classroom. The book presents a set of 32 exercises that are primarily new and greatly revised versions from the book's successful first edition. These exercises span a wide range of conservation issues: genetic analysis, population biology and management, taxonomy, ecosystem management, land use planning, the public policy process and more. All exercises discuss how to take what has

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been learned and apply it to practical, real-world issues. Accompanied by a detailed instructor's manual and a student website with software and support materials, the book is ideal for use in the field, lab, or classroom. Also available: Fundamentals of Conservation Biology, 3rd edition (2007) by Malcolm L Hunter Jr and James Gibbs, ISBN 9781405135450 Saving the Earth as a Career: Advice on Becoming a Conservation Professional (2007) by Malcolm L Hunter Jr, David B Lindenmayer and Aram JK Calhoun, ISBN 9781405167611

A Primer of Ecological Genetics

Learn how Fran and Frederick Hamerstrom worked to save the greater prairie chicken from extinction in the Wisconsin Historical Society Press's new book for young readers, "Fran and Frederick Hamerstrom: Wildlife Conservation Pioneers." Fran and Frederick grew up in New England, and married in 1935. They both loved nature and wanted to dedicate their lives to understanding and preserving wildlife. As students of the famous naturalist, Aldo Leopold, they learned about new ways for humans to think about saving land for animals. Fran was a brave, outgoing woman who cared more about interacting with animals than wearing pretty dresses. Frederick was a calm, thoughtful man who loved to study and conduct research. Together, they spent over thirty years mentoring many future scientists, and working to save the greater prairie chicken, and other animals, from extinction. "Fran and Frederick Hamerstrom: Wildlife Conservation Pioneers" is the

newest addition to the Society Press's Badger Biographies Series.

Marine Ornamental Shrimp

A Primer on Reptiles and Amphibians is an innovative educational resource designed to forge a connection between the reader and the creeping critters of the world. Turtles, frogs, lizards, salamanders, snakes, and crocodiles; these animals evoke fear and fascination. This primer dispels myths and unlocks mysteries surrounding these diverse survivors which have mastered virtually every habitat on Earth. Tragically, these animals now face pressures of unprecedented severity, but there is still time to make a difference if more of us work together. Micha Petty is an international award-winning Master Naturalist and wildlife rehabilitator. This critically-acclaimed debut volume is a collection of Micha's interpretive writings, carefully crafted to make learning easy for everyone. These bulletins display his passion for Conservation Through Education while covering topics such as living harmoniously with wildlife, physiology, natural history, observation, and conservation. Flip to any page to be instantly introduced to new facets of reptiles, amphibians, the perils they face, and how you can join the fight to save them.

Conservation Biology

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This Primer nurtures the development of biologists interested in using animal behavior concepts and tools to solve conservation and wildlife management problems. This is the first practical guide fostering integration and showing how to apply these methodologies to issues that would benefit from an animal behavior perspective.

Conservation Biology

Fred Van Dyke's new textbook, *Conservation Biology: Foundations, Concepts, Applications*, 2nd Edition, represents a major new text for anyone interested in conservation. Drawing on his vast experience, Van Dyke's organizational clarity and readable style make this book an invaluable resource for students in conservation around the globe. Presenting key information and well-selected examples, this student-friendly volume carefully integrates the science of conservation biology with its implications for ethics, law, policy and economics.

Conservation Biology for All

The tropics surround the Equator limited in latitude by the Tropic of Cancer in the northern hemisphere and the Tropic of Capricorn in the southern hemisphere. The tropics include all the regions on Earth where the Sun reaches a point directly

overhead at least once during the solar year. The subtropics are geographic and climate zones located between the tropic circle of latitude and the 38th parallel in each hemisphere. The tropics and subtropics are home to about 75% of the global human population. Cultural, economic, and political circumstances vary enormously across this vast geography of some 170 countries and territories. The regions not only harbor the world's poorest countries but their human populations are growing disproportionately faster than in temperate zones. Some countries are developing rapidly -- Brazil, China, India, and Mexico being obvious examples, while others still remain in the poverty trap. This region contains an astonishing proportion of global biodiversity; some 90% of plant and animal species by some measures. Its contribution to human well-being is astounding. It was the birthplace for our species; and it hosts a myriad of plant and animal species which products feed us, keep us healthy, and supply us with a variety of material goods. The tropics and subtropics are also a natural laboratory where some of humanity's most important scientific discoveries have been made. Such biodiversity has enormous implications for research priorities, capacity building, and policy to address the challenges of conserving this region. "Tropical Conservation: Perspectives on Local and Global Priorities" drew the majority of its contributors from this growing pool of scientists and practitioners working in Latin America, Africa, and Asia. It introduces important conservation concepts and illustrates their application as the authors directly capture real world experiences in their home countries in preventing biodiversity loss and sustaining ecological health. Today,

no part of the world can be viewed in isolation, and we further codify and integrate a range of approaches for addressing global threats to nature and environmental sustainability, including climate change and emerging diseases. Five sections structure the major themes.

Conservation Science: Balancing the Needs of People and Nature

Conservation Biology in Sub-Saharan Africa comprehensively explores the challenges and potential solutions to key conservation issues in Sub-Saharan Africa. Easy to read, this lucid and accessible textbook includes fifteen chapters that cover a full range of conservation topics, including threats to biodiversity, environmental laws, and protected areas management, as well as related topics such as sustainability, poverty, and human-wildlife conflict. This rich resource also includes a background discussion of what conservation biology is, a wide range of theoretical approaches to the subject, and concrete examples of conservation practice in specific African contexts. Strategies are outlined to protect biodiversity whilst promoting economic development in the region. Boxes covering specific themes written by scientists who live and work throughout the region are included in each chapter, together with recommended readings and suggested discussion topics. Each chapter also includes an extensive bibliography. Conservation Biology

in Sub-Saharan Africa provides the most up-to-date study in the field. It is an essential resource, available on-line without charge, for undergraduate and graduate students, as well as a handy guide for professionals working to stop the rapid loss of biodiversity in Sub-Saharan Africa and elsewhere.

A Primer of Conservation Biology

The first edition of *Tropical Rain Forests: an Ecological and Biogeographical Comparison* exploded the myth of 'the rain forest' as a single, uniform entity. In reality, the major tropical rain forest regions, in tropical America, Africa, Southeast Asia, Madagascar, and New Guinea, have as many differences as similarities, as a result of their isolation from each other during the evolution of their floras and faunas. This new edition reinforces this message with new examples from recent and on-going research. After an introduction to the environments and geological histories of the major rain forest regions, subsequent chapters focus on plants, primates, carnivores and plant-eaters, birds, fruit bats and gliding animals, and insects, with an emphasis on the ecological and biogeographical differences between regions. This is followed by a new chapter on the unique tropical rain forests of oceanic islands. The final chapter, which has been completely rewritten, deals with the impacts of people on tropical rain forests and discusses possible conservation strategies that take into account the differences highlighted in the previous chapters. This exciting and very readable book, illustrated throughout

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with color photographs, will be invaluable reading for undergraduate students in a wide range of courses as well as an authoritative reference for graduate and professional ecologists, conservationists, and interested amateurs.

Conservation Behavior

A Primer of Conservation Biology

Now is the time for conservation science—a mission-oriented scientific enterprise that seeks to protect nature, including Earth's animals, plants, and ecosystems, in the face of unprecedented human demands upon the planet. Conservation scientists apply principles from ecology, population genetics, economics, political science, and other natural and social sciences to manage and preserve nature. The focus of this textbook is first and foremost on protecting nature and especially Earth's biota. It also contains a heavy emphasis on highlighting strategies to better connect the practice of conservation with the needs and priorities of a growing human population. Now used at over 150 colleges and universities, Conservation Science is an original and modern approach to conservation. Conservation Science was primarily written primarily for undergraduates and beginning graduate students who are interested either in academic careers or working in conservation

at government agencies, non-governmental organizations, or international institutions.

Problem-Solving in Conservation Biology and Wildlife Management

The pace, intensity, and scale at which humans have altered our planet in recent decades is unprecedented. We have dramatically transformed landscapes and waterways through agriculture, logging, mining, and fire suppression, with drastic impacts on public health and human well-being. What can we do to counteract and even reverse the worst of these effects? Restore damaged ecosystems. The Primer of Ecological Restoration is a succinct introduction to the theory and practice of ecological restoration as a strategy to conserve biodiversity and ecosystems. In twelve brief chapters, the book introduces readers to the basics of restoration project planning, monitoring, and adaptive management. It explains abiotic factors such as landforms, soil, and hydrology that are the building blocks to successfully recovering microorganism, plant, and animal communities. Additional chapters cover topics such as invasive species and legal and financial considerations. Each chapter concludes with recommended reading and reference lists, and the book can be paired with online resources for teaching. Perfect for introductory classes in ecological restoration or for practitioners seeking constructive guidance for real-

world projects, Primer of Ecological Restoration offers accessible, practical information on recent trends in the field.

Fundamentals of Conservation Biology

This book aims to further advance the field of reintroduction biology beyond the considerable progress made since the formation of the IUCN/SSC Re-introduction Specialist Group. Using an issue-based framework that purposely avoids a structure based on case studies the book's central theme is advocating a strategic approach to reintroduction where all actions are guided by explicit theoretical frameworks based on clearly defined objectives. Issues covered include husbandry and intensive management, monitoring, and genetic and health management. Although taxonomically neutral there is a recognised dominance of bird and mammal studies that reflects the published research in this field. The structure and content are designed for use by people wanting to bridge the research-management gap, such as conservation managers wanting to expand their thinking about reintroduction-related decisions, or researchers who seek to make useful applied contributions to reintroduction.

Introduction to Conservation Genetics

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Provides up-to-date coverage of Conservation Biology, including sustainable development, global warming, and strategies to save species on the verge of extinction.

A Primer of Ecology with R

This new text combines theory and applied and basic research to explain the connections between conservation biology and ecology, climate change biology, the protection of endangered species, protected area management, environmental economics, and sustainable development. A major theme throughout the book is the active role that scientists, local people, the general public, conservation organizations, and governments can play in protecting biodiversity, even while providing for human needs.

A Primer of Conservation Behavior

As species disappear at an unprecedented rate, scientists work to conserve the Earth's biodiversity. In Conservation and Biodiversity, Andrew Dobson looks at the current state of endangered species management, exploring the economics of different conservation techniques and the practical possibilities for using the environment while sustaining it. Filled with case studies, it is a compelling

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investigation into a wide range of issues, from the ivory trade in elephants to the sale of rhino horns, from the function of zoos to the reintroduction of species to the wild.

Tropical Conservation

A volume of essays describing lab and field experiments that improve our understanding or ability to resolve issues surrounding endangered species and invasive plants and animals.

An Introduction to Conservation Biology

A Primer of Conservation Biology, Third Edition incorporates background, theory, and examples in a lively and readable text that will appeal to a wide audience and stimulate interest in conservation biology. The book provides the most up-to-date perspective on many high-profile issues in the field, such as sustainable development, the effectiveness of conservation laws and treaties, the design of conservation areas, classification of conservation threats, and strategies to save species on the verge of extinction. The Primer is divided into five chapters, focusing successively on biological diversity and its value, the threats to biological diversity, conservation at the population and species levels, protecting and

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managing habitats and ecosystems, and human societies and sustainable development. Case studies are included to demonstrate the controversies in the field, and to stimulate thought and discussion. The book provides many examples of successful conservation approaches and ends with suggestions for a future agenda. Throughout, the choice of examples is well balanced to show the full range of species, habitats, and geographic areas of the world. The links between conservation biology and environmental law, environmental economics, philosophy, social sciences and anthropology, park management, and government policy are clearly presented. The book is very well illustrated, includes an extensive bibliography (covering literature through 2004) and a glossary, and has an annotated list of suggested readings and discussion questions at the end of each chapter. Sources of further information are given in an Appendix. A Primer of Conservation Biology is ideally suited for use in short undergraduate courses, either as a stand-alone text or supplemented by outside readings. It can also be used effectively as a supplemental resource for courses in introductory biology, general ecology, population biology, environmental science, and w

Conservation Biology

Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-

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edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

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