

## Where To Download Ecology And Field Biology 6th Edition

# Ecology And Field Biology 6th Edition

Conservation Biology for All provides cutting-edge but basic conservation science to a global readership. A series of authoritative

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chapters have been written by the top names in conservation biology with the principal aim of disseminating cutting-edge conservation knowledge as widely as possible. Important topics such as balancing conservation and human

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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

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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

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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

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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

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next generation of scientists in developing countries, so that they are in a better position to protect their natural resources.

Lab Manual for Biology  
Labs Online  
Evolution Lab [to Accompany]  
Ecology & Field Biology, 6th Ed, by

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Robert Leo Smith [and] Thomas M.  
Smith Ecology & Field  
Biology Benjamin-Cummings  
Publishing Company  
Robert Bailey is an established  
authority on ecosystems, and his  
previous works, Ecosystem



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Geography and Ecoregions have sold well; Fully illustrated with color diagrams and maps; Includes a Glossary to define terms which may be unfamiliar to professionals working in this cross-disciplinary field; Provides a Resource Guide and

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a Sources and Recommended  
Reading section to aid readers who  
require additional information;  
Presents a modified approach to land  
management and conservation in a  
non-technical and engaging manner  
Mammalogy is the study of

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mammals from the diverse biological viewpoints of structure, function, evolutionary history, behavior, ecology, classification, and economics. Newly revised and updated, the fifth edition of Mammalogy aims to explain and

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clarify the subject as a unified whole. In recent years we have witnessed significant changes in the taxonomy of mammals. The authors have kept pace with such changes in the field and have revised each chapter to reflect the most current data

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available. New pedagogical elements, including chapter outlines and further reading sections, help readers grasp key concepts and explore additional content on their own. Two new chapters on domestication and mammal diseases

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are available on the Mammalogy website.

Ecology & Field Biology

Encyclopedia of Ecology

University Curricula in the Marine

Sciences and Related Fields

Mammalogy

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Wildlife Conservation in a Changing  
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Plant Responses to Hyperarid Desert  
Environments

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and conceptual framework  
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**evolving field,  
Agroecology: The Ecology  
of Sustainable Food  
Systems, Second Edition  
explores environmental  
factors and complexities  
affecting agricultural**



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**crops and animals.  
Completely revised,  
updated, and reworked, the  
second edition contains  
new data, new readings,  
new issues and case  
studies, and new options.**

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**It includes two completely new chapters, one on the role of livestock animals in agroecosystems and one on the cultural and community aspects of sustainable food systems.**

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**The author clearly delineates the importance of using an ecosystem framework for determining if a particular agricultural practice, input, or management**

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**decision contributes or detracts from sustainability. He explains how the framework provides the ecological basis for the functioning of the chosen management**

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**strategy over the long-term. He also examines system level interactions, stressing the need for understanding the emergent qualities of populations, communities, and**

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**ecosystems and their roles  
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the book demonstrates how**

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**to use an ecosystem  
approach to design and  
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**In order to face new  
challenges and unique  
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**stress under both normal  
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conditions, providing the  
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**presents a unique  
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**possible, using a careful  
step-by-step approach and  
including graphs and other  
visual aids to help  
understanding. Artwork  
from the book is available  
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Chapter 1: Introduction to  
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Methods for analyzing  
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emerging as one of the gravest threats to biodiversity in history, and while a vast amount of literature on the ecological impact of climate change exists, very little has been dedicated to the management of wildlife populations and communities in the wake of

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unprecedented habitat changes.  
Wildlife Conservation in a Changing  
Climate is an essential resource,  
bringing together leaders in the fields of  
climate change ecology, wildlife  
population dynamics, and  
environmental policy to examine the

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impacts of climate change on populations of terrestrial vertebrates. Chapters assess the details of climate change ecology, including demographic implications for individual populations, evolutionary responses, impacts on movement

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patterns, alterations of species interactions, and predicting impacts across regions. The contributors also present a number of strategies by which conservationists and wildlife managers can counter or mitigate the impacts of climate change as well as increase the



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resilience of wildlife populations to such changes. A seminal contribution to the fields of ecology and conservation biology, *Wildlife Conservation in a Changing Climate* will serve as the spark that ignites a new direction of discussions about and action on the

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ecology and conservation of wildlife in a changing climate.

Discusses the history of ecology and biodiversity conservation, stressing the importance of maintaining biologically diverse ecosystems and helping prevent unnatural extinctions of plant and

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environmental change, human impacts on the global carbon cycle, and the possible implications for the global climate system. Six "Ecological Application Essays" demonstrate to students the real world relevance of ecological concepts. For example, Part

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V, Population Interactions, discusses how a lack of mushrooms helped power the Industrial Revolution. Reflecting current changes in the field of ecology, the new edition incorporates more discussion of the evolutionary perspective on ecological

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systems. For anyone interested in ecology.

A top choice among students and instructors alike, Animal Diversity continues to earn the appreciation of both science majors and non-majors alike. The book uses the theme of

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evolution to develop a broad-scale view of animal diversity—students focus not only the organisms themselves, but also the processes that produce evolutionary diversity. The book is unique in its comprehensive survey of zoological diversity and its emphasis on

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evolutionary, systematic and ecological principles, all in one package.

Ecoregion-Based Design for  
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Function, Biodiversity, Ecology



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Agroecology

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The modern world is wondrous.  
Its factories produce ten thousand  
cars every hour and ten trillion  
transistors every second. We carry  
supercomputers in our pockets,

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and nearly a million people are in the air at any time. In *Civilization Critical*, Darrin Qualman takes readers on a tour of the wonders of the 21st century. But the great strength of our modern world is also its great weakness. Our

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immense powers to turn resources and nature into products and waste imperil our future. And plans to double and redouble the size of the global economy veto sustainability. So, is our civilization doomed? No. Doom is

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a choice. We can make different choices. Qualman demonstrates that a 19th- and 20th-century transition to linear systems and away from the circular patterns of nature (and of all previous civilizations) is the foundational

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error—the underlying problem, the root cause of climate change, resource depletion, ocean's full of plastics, and a host of mega-problems now intensifying and merging, with potentially civilization-cracking results. In

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this sweeping work, Qualman reinterprets and re-explains the problems we face today, and charts a clear, hopeful path into the future.

This comprehensive introductory text integrates evolutionary,

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ecological, and demographic perspectives with new results from field studies and contemporary noninvasive molecular and hormonal techniques to understand how different primates behave and the

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significance of these insights for primate conservation. Each chapter is organized around the major research themes in the field, with Strier emphasizing the interplay between theory, observations, and conservation



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issues. Examples are drawn from the "classic" primate field studies as well as more recent studies on previously neglected species, illustrating the vast behavioral variation that exists across the primate order. Primate Behavioral

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Ecology 5th Edition also examines how anthropogenic activities are negatively impacting primate populations, including a thorough analysis of behavioural plasticity and its implications. This fully updated new edition incorporates

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exciting new discoveries and the most up-to-date approaches in the field to provide an invaluable overview of the field of primate behavioral ecology and its applications to primate conservation. It is considered to

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be a “must read” for all students interested in primates.

The ecosystem. Population ecology. The community.

Comparative ecosystem ecology. Encyclopedia of Ecology, Second Edition continues the acclaimed

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work of the previous edition published in 2008. It covers all scales of biological organization, from organisms, to populations, to communities and ecosystems. Laboratory, field, simulation modelling, and theoretical

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approaches are presented to show how living systems sustain structure and function in space and time. New areas of focus include micro- and macro scales, molecular and genetic ecology, and global ecology (e.g., climate

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change, earth transformations, ecosystem services, and the food-water-energy nexus) are included. In addition, new, international experts in ecology contribute on a variety of topics. Offers the most broad-ranging and comprehensive

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resource available in the field of ecology Provides foundational content and suggests further reading Incorporates the expertise of over 500 outstanding investigators in the field of ecology, including top young



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scientists with both research and teaching experience Includes multimedia resources, such as an Interactive Map Viewer and links to a CSDMS (Community Surface Dynamics Modeling System), an open-source platform for modelers

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to share and link models dealing  
with earth system processes

Ecology

The Poconos

Linking Industry and Ecology

Social Capital and Sustainable

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Community Development  
Introduction to Wildlife and  
Fisheries

**Carbon is chemically versatile and  
is thus the body and soul of  
biological, geological, ecological  
and economic systems. Its**

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**appropriation by humans through diversion of its biogeochemical cycle has been a mainstay of development. This domestication is characterized by a number of thresholds: control of fire, development of agriculture,**

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**expansion of Europe, fossil-fuel use and biotechnology. All have exacted an environmental toll, not least being climatic change and biodiversity loss. Carbon management now and in the future is a 'hot' political issue.**

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**There is no existing book which focuses on the pivotal role of carbon in the environment and society and the ways in which carbon has been domesticated in time and space to generate wealth and political advantage. Students**

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**of environmental science,  
geography, biology and general  
science will find this work  
invaluable as a cross-disciplinary  
text.**

**A Dynamic Balance illuminates  
the importance of understanding**

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**the social dimension of sustainability as it examines the links between social capital and sustainable development within the overall context of local community development. Looking at case studies in both Australia**



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**and Canada, it draws upon lessons that can be learned to reconnect large urban centres and smaller communities. Given the number of small communities in both countries struggling to diversify from single-resource economies in**

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**a context of increasing globalization, the analysis touches on several critical public policy issues. This is a timely and provocative call for reconciliation and reconnection within and between communities.**

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**Climate change and land-use are typically seen as independent environmental research problems. The causes of climate change are the venue of atmospheric scientists who describe climate change in light of various forcings:**

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**greenhouse gases, volcanic eruptions, and oceanic circulation. Land-use is the venue of ecologists, who are concerned with how, for example, deforestation affects biodiversity and biogeochemical cycles. This book**

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**integrates these two lines of study to present the idea that how people use land and alter the natural vegetation cover is also a significant feedback within the climate system.**

**The contributors to this volume**

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**draw on their experience in a variety of disciplines to explore the origins, promise, and relevance of the emerging field of industrial ecology. They situate industrial ecology within the broader range of environmental**

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**management strategies and concepts, from the practices of pollution prevention through life cycle management, to the more fundamental shift toward dematerialization and ecological design. Their work not only**

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**affirms what has been learned to date in this nascent field but also provides new insight by demonstrating that technologies are socially and politically embedded. This book makes a compelling argument for the need**



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**to think ecologically to develop  
innovative and competitive  
industrial policy.**

**Essentials of Conservation Biology  
Strickberger's Evolution**

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Study the relationship between living organisms and our place in God's wondrous creation! Learn important words and concepts from different

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habitats around the world to mutual symbiosis as a product of the relational character of God. Designed with a multi-age level format especially for homeschool educational programs. Examine influential Scientists and their work, more fully understand practical aspects of stewardship, and

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investigate ecological connections in creation! The best-selling Wonders of Creation series adds a new biology-focused title that unveils the intricate nature of God's world and the harmony that was broken by sin. This educational resource is color-coded with three educational levels in mind:

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5th to 6th grades, 7th to 8th grades, and 9th through 11th grades, which can be utilized for the classroom, independent study, or homeschool setting. Whether used as part of our newly developed science curriculum or simply as a unique unit study, the book includes full-color photos, informative

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illustrations, and meaningful descriptions. The text encourages an understanding of a world designed, not as a series of random evolutionary accidents, but instead as a wondrous, well-designed system of life around the globe created to enrich and support one another.

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This volume combines theory with applied and basic research to explain the connections between conservation biology and environmental economics, ethics, law, and the social sciences. It stresses the need for theory, research and an interdisciplinary approach in solving conservation problems.

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This book provides a comprehensive discussion on plant responses in hyperarid regions of Egypt, China, Mexico, and Pakistan. It describes their location, physiographic features, accidental vegetation along two transects, endangered vegetation species, human impact, and variety of



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plant types (e.g. climbing, succulent, and parasitic). Studies on biotic and abiotic interactions, plant biodiversity, and soil-plant relationships are also covered. Covering a wide range of plant conditions and adaptations, this book analyzes what happens when plants must endure very high

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temperatures and aridity. Plants have adapted by evolving their physical structure to store and conserve water. Examples are the absence of leaves which reduces transpiration and the growth of extremely long roots, allowing them to acquire moisture at, or near the water table. Plants in

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hyperarid habitats have also made behavioral adaptations in order to survive by synchronizing with the seasons of greatest moisture and/or coolest temperatures. For example, desert perennials remain dormant during dry periods of the year, then spring to life when water becomes

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available. The book includes many color illustrations, and has extensive and up-to-date references for further reading.

This book integrates the science of wildlife and fisheries. Updates include coverage of geographic information systems and biotelemetry; preferred

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structures for fish aging; information on diseases such as chronic wasting disease, avian flu, West Nile virus, viral haemorrhagic septicemia, and whirling disease.

Habitat Conservation Under The  
Endangered Species Act

EvolutionLab [to Accompany] Ecology

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& Field Biology, 6th Ed, by Robert Leo  
Smith [and] Thomas M. Smith

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Complexity and Dynamics

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waterfalls, and other  
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emphasizes the principles  
and processes that underlie  
- and unify - vastly  
different marine  
communities.

The Theory of the Firm is  
commonly viewed as axiomatic  
by business school

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academicians. Considerations spanning organizational structures, their boundaries and roles, as well as business strategies all relate to the theory of the firm. The dominant theory of the firm poses that markets

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act perfectly to maximize the well-being of society when people act to maximize the personal utility of their individual purchases and firms act to maximize financial returns to their owners. However, burgeoning

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evidence and discourse  
across the scientific and  
policy communities suggests  
that the economic, social,  
and environmental  
consequences of accepting  
and applying this theory in  
the organization of business

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and society threatens the survival of the human species, among countless others. This book provides the latest thinking on alternatives to the theory of the firm as cornerstone of managerial decision

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making. Authors explore and elucidate theories that help us understand a firm differently and suggest alternatives to the theory of the firm. This book will be of value to researchers, academics, practitioners,

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and students interested in leadership, strategic management, and the intersection of corporate interests and the wellbeing of society.

Thoroughly updated and reorganized, Strickberger's



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organisms from microbes to animals, and the numerous molecular and populational concepts that explain the earth's dynamic evolution.

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The Experimental Analysis of  
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Ecology and Field Biology  
Civilization Critical  
Animal Diversity  
Primate Behavioral Ecology

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introduces undergraduate  
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models and methods in***

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***ecology, behavioral ecology, evolutionary biology, and conservation. It explores the core concepts shared by these related fields using tools and practical skills such as experimental***

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***design, generating  
phylogenies, basic statistical  
inference, and persuasive  
grant writing. And  
contributors use examples  
from their own cutting-edge  
research, providing diverse***



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***views to engage students  
and broaden their  
understanding. This is the  
only textbook on the subject  
featuring a collaborative  
"active learning" approach  
that emphasizes hands-on***

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***rich array of formats, which students use to answer questions that illustrate patterns, principles, and methods. Topics range from Hardy-Weinberg equilibrium and population effective size***

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***to optimal foraging and indices of biodiversity. The book also includes a comprehensive glossary. In addition to the editors, the contributors are James Beck, Cawas Behram Engineer,***

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***John Gaskin, Luke Harmon,  
Jon Hess, Jason Kolbe,  
Kenneth H. Kozak, Robert J.  
Robertson, Emily Silverman,  
Beth Sparks-Jackson, and  
Anton Weisstein. Provides  
experience with hypothesis***

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***testing, experimental  
design, and scientific  
reasoning Covers core  
quantitative models and  
methods in ecology,  
behavioral ecology,  
evolutionary biology, and***

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***conservation Turns  
"discussion sections" into  
"thinking labs" Professors: A  
supplementary Instructor's  
Manual is available for this  
book. It is restricted to  
teachers using the text in***

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how to obtain a copy, refer  
to: [http://press.princeton.edu/class\\_use/solutions.html](http://press.princeton.edu/class_use/solutions.html)  
In The Science of  
Conservation Planning,  
three of the nation's leading***



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***conservation biologists  
explore the role of the  
scientist in the planning  
process and present a  
framework and guidelines  
for applying science to  
regional habitat-based***

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***conservation planning.  
Chapters consider history  
and background of  
conservation planning  
efforts, criticisms of science  
in conservation planning,  
principles of conservation***

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***biology that apply to  
conservation planning,  
detailed examination of  
conservation plans, and  
specific recommendations  
for all parties involved. The  
Science of Conservation***

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***Planning will serve as a model for the application of conservation biology to real-life problems, and can lead to the development of scientifically and politically sound plans that are likely***

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***to achieve their  
conservation goals, even in  
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