

Ecology Cain 2nd Edition Ebook

From Empty-World Economics to Full-World Economics Ecological economics explores new ways of thinking about how we manage our lives and our planet to achieve a sustainable, equitable, and prosperous future. Ecological economics extends and integrates the study and management of both "nature's household" and "humankind's household"—An Introduction to Ecological Economics, Second Edition, the first update and expansion of this classic text in 15 years, describes new approaches to achieving a sustainable and desirable human presence on Earth. Written by the top experts in the field, it addresses the necessity for an innovative approach to integrated environmental, social, and economic analysis and management, and describes policies aimed at achieving our shared goals. Demands a Departure from Business as Usual The book begins with a description of prevailing interdependent environmental, economic, and social issues and their underlying causes, and offers guidance on designing policies and instruments capable of adequately coping with these problems. It documents the historical development of the disciplines of economics and ecology, and explores how they have evolved so differently from a shared conceptual base. Structured into four sections, it also presents various ideas and models in their

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proper chronological context, details the fundamental principles of ecological economics, and outlines prospects for the future. What's New in the Second Edition: Includes several new pieces and updates in each section Adds a series of independently authored "boxes" to expand and update information in the current text Addresses the historical development of economics and ecology and the recent progress in integrating the study of humans and the rest of nature Covers the basic concepts and applications of ecological economics in language accessible to a broad audience An Introduction to Ecological Economics, Second Edition can be used in an introductory undergraduate or graduate course; requires no prior knowledge of mathematics, economics, or ecology; provides a unified understanding of natural and human-dominated ecosystems; and reintegrates the market economy within society and the rest of nature.

The ultimate aim of reading is not the process but to understand what we read and comprehension can take place at many different levels. There has been an increasing emphasis on the importance of reading comprehension in recent years but despite this there is very little written on this vital topic accessible to trainee and practicing teachers. The Handbook of Reading Comprehension presents an overview of recent findings on reading comprehension and comprehension problems in children. It provides a detailed examination of the

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characteristics of children who have reading comprehension difficulties, and examines ways in which comprehension can be supported and improved. It is accessibly written for students and professionals with no previous background in the psychology of reading or reading problems. This indispensable handbook asks the question 'what is comprehension?' The authors consider comprehension of different units of language: understanding single words, sentences, and connected prose and outline what readers (and listeners) have to do to successfully understand an extended text. This book also considers comprehension for different purposes, in particular reading for pleasure and reading to learn and explores how reader characteristics such as interest and motivation can influence the comprehension process. Different skills contribute to successful reading comprehension. These include word reading ability, vocabulary knowledge, syntactic skills, memory, and discourse level skills such as the ability to make inferences, knowledge about text structure, and metacognitive skills. The authors discuss how each one contributes to the development of reading comprehension skill and how the development of these skills (or their precursors) in pre-readers, provides the foundation for reading comprehension development. Areas covered include:- Word reading and comprehension Development of comprehension skills Comprehension difficulties

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Assessment Teaching for improvement Throughout the text successful experimental and classroom based interventions will be highlighted, practical tips for teachers and summary boxes detailing key points and explaining technical terms will be included in each chapter

Campbell BIOLOGY is the best-selling introductory biology text in Canada. The text is written for university biology majors and is unparalleled in its accuracy, depth of explanation, and art program, as well as its overall effectiveness as a teaching and learning tool. The second Canadian edition maintains the integrity of the Campbell franchise and will benefit students by highlighting Canadian contributions to biological science research. It does so by presenting Canadian examples of flora and fauna alongside global example investigating Canadian-specific biological issues, such as specific invasive species and providing Canadian data on biological issues. Note: You are purchasing a standalone product; MasteringBiology does not come packaged with this content. Students, if interested in purchasing this title with MasteringBiology, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MasteringBiology, search for: 0134589947 / 9780134589947 Campbell Biology, Second Canadian Edition Plus MasteringBiology with Pearson

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Cain made the first blackface turn, blackface minstrels liked to say of the first man forced to wander the world acting out his low place in life. It wasn't the "approved" reading, but then, blackface wasn't the "approved" culture either--yet somehow we're still dancing to its renegade tune. The story of an insubordinate, rebellious, truly popular culture stretching from Jim Crow to hip hop is told for the first time in *Raising Cain*, a provocative look at how the outcasts of official culture have made their own place in the world. Unearthing a wealth of long-buried plays and songs, rethinking materials often deemed too troubling or lowly to handle, and overturning cherished ideas about classics from *Uncle Tom's Cabin* to *Benito Cereno* to *The Jazz Singer*, W. T. Lhamon Jr. sets out a startlingly original history of blackface as a cultural ritual that, for all its racist elements, was ultimately liberating. He shows that early blackface, dating back to the 1830s, put forward an interpretation of blackness as that which endured a commonly felt scorn and often outwitted it. To follow the subsequent turns taken by the many forms of blackface is to pursue the way modern social shifts produce and disperse culture.

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Raising Cain follows these forms as they prolong and adapt folk performance and popular rites for industrial commerce, then project themselves into the rougher modes of postmodern life through such heirs of blackface as stand-up comedy, rock 'n' roll, talk TV, and hip hop. Formally raising Cain in its myriad variants, blackface appears here as a racial project more radical even than abolitionism. Lhamon's account of its provenance and persistence is a major reinterpretation of American culture.

BIOLOGY: HOW LIFE WORKS has been a revolutionary force for both instructors and students in the majors biology course. It was the first truly comprehensive set of integrated tools for introductory biology, seamlessly incorporating powerful text, media, and assessment to create the best pedagogical experience for students. **THE VISUAL PROGRAM** The already impressive visual program has been greatly improved and expanded. The powerful Visual Synthesis tools have been reimaged, allowing for more flexibility for both students and instructors. A new Tour Mode allows for learning objective-driven tours of the material and deep linking from the eText allow the student to jump straight from the text into a rich visual representation of the content. Instructors can also create customized tours to use for engaging in-class presentations. And finally, new animations have been added to the library,

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including a new 3D animation to support the animal physiology content. A FOCUS ON SCIENTIFIC SKILLS The third edition does even more to teach students the skills they need to think like a scientist, along with the content they need to move beyond the introductory course. New Skills Primers are self-paced tutorials that guide students to learn, practice, and use skills like data visualization, experimental design, working with numbers, and more. New How Do We Know? activities accompany the feature in the text and teach students to understand scientific inquiry. THE HUB The best teaching resources in the world aren't of use if instructors can't find them. The HUB provides a one-stop destination for valuable teaching and learning resources, including all of our well-vetted in-class activities. IMPROVED ORGANIZATION OF TOPICS We implemented several organizational changes based on extensive user feedback with the goal of creating an improved narrative for students and a more flexible teaching framework for instructors. A new chapter on Animal Form, Function, and Evolutionary History leads off the animal anatomy and physiology chapters to provide a whole-body view of structure and function and to provide better context for the more specific systems in following chapters. The ecology coverage has been enriched and reorganized for a more seamless flow. A new chapter on Ecosystem Ecology combines ecosystem concepts formerly housed in separate

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chapters to present a more cohesive view of the flow of matter and energy in ecosystems. All of these changes and improvements represent the next step in the life of *Biology: How Life Works*. We think we have created the best learning resource for introductory biology students, and we think instructors will find joy in the improvements they can make in their classes with these materials.

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value--this format costs significantly less than a new textbook. The Eleventh Edition of the best-selling text *Campbell BIOLOGY* sets you on the path to success in biology through its clear and engaging narrative, superior skills instruction, and innovative use of art, photos, and fully integrated media resources to enhance teaching and learning. To engage you in developing a deeper understanding of biology, the Eleventh Edition challenges you to apply knowledge and skills to a variety of NEW! hands-on activities and exercises in the text and online. NEW! Problem-Solving Exercises challenge you to apply scientific skills and interpret data in the context of solving a real-world problem. NEW! Visualizing Figures and Visual Skills Questions provide practice interpreting and creating visual representations in biology. NEW! Content updates throughout the text reflect rapidly evolving research in the fields of

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genomics, gene editing technology (CRISPR), microbiomes, the impacts of climate change across the biological hierarchy, and more. Significant revisions have been made to Unit 8, Ecology, including a deeper integration of evolutionary principles. NEW! A virtual layer to the print text incorporates media references into the printed text to direct you towards content in the Study Area and eText that will help you prepare for class and succeed in exams--Videos, Animations, Get Ready for This Chapter, Figure Walkthroughs, Vocabulary Self-Quizzes, Practice Tests, MP3 Tutors, and Interviews. (Coming summer 2017). NEW! QR codes and URLs within the Chapter Review provide easy access to Vocabulary Self-Quizzes and Practice Tests for each chapter that can be used on smartphones, tablets, and computers.

During the ten years since the appearance of the groundbreaking, bestselling first edition of *The Electronics Handbook*, the field has grown and changed tremendously. With a focus on fundamental theory and practical applications, the first edition guided novice and veteran engineers along the cutting edge in the design, production, installation, operation, and maintenance of electronic devices and systems. Completely updated and expanded to reflect recent advances, this second edition continues the tradition. *The Electronics Handbook, Second Edition* provides a comprehensive reference to the key concepts, models, and

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equations necessary to analyze, design, and predict the behavior of complex electrical devices, circuits, instruments, and systems. With 23 sections that encompass the entire electronics field, from classical devices and circuits to emerging technologies and applications, *The Electronics Handbook, Second Edition* not only covers the engineering aspects, but also includes sections on reliability, safety, and engineering management. The book features an individual table of contents at the beginning of each chapter, which enables engineers from industry, government, and academia to navigate easily to the vital information they need. This is truly the most comprehensive, easy-to-use reference on electronics available.

An ideal text for students taking a course in landscape ecology. The book has been written by very well-known practitioners and pioneers in the new field of ecological analysis. Landscape ecology has emerged during the past two decades as a new and exciting level of ecological study. Environmental problems such as global climate change, land use change, habitat fragmentation and loss of biodiversity have required ecologists to expand their traditional spatial and temporal scales and the widespread availability of remote imagery, geographic information systems, and desk top computing has permitted the development of spatially explicit analyses. In this new text book this new field of landscape ecology is given the first fully integrated treatment suitable for the student. Throughout, the theoretical developments, modeling approaches and results, and empirical data are merged together, so as not to

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introduce barriers to the synthesis of the various approaches that constitute an effective ecological synthesis. The book also emphasizes selected topic areas in which landscape ecology has made the most contributions to our understanding of ecological processes, as well as identifying areas where its contributions have been limited. Each chapter features questions for discussion as well as recommended reading.

Combining a haunting view of the future caused by global warming with detailed maps that depict a massive transformation of California, Dale Pendell's unique and provocative fictitious account provides a powerful view of a not-so-improbable future in which sea levels rise and a decimated population must find new ways to live. Based in scientific reality, *The Great Bay* presents a powerful fictional vision of a fast-approaching future in which sea levels rise and a decimated population must find new ways to live. The story begins in 2021 with a worldwide pandemic followed by the gradual rising of the seas. Pendell's vision is all encompassing--he describes the rising seas' impact on countries and continents around the world. But his imaginative storytelling focuses on California. A "great bay" forms in California's Central Valley and expands during a 16,000-year period. As the years pass, and technology seems to regress, even memory of a "precollapse" world blends into myth. Grizzly bears and other large predators return to the California hills, and civilization reverts to a richly imagined medieval society marked by guilds and pilgrimages, followed even later by hunting and gathering societies. Pendell's focus is on the lives of people struggling with love, wars, and physical survival thousands of years in California's future. He deftly mixes poetic imagery, news-reporting-style writing, interviews with survivors, and maps documenting the geographic changes. In the end, powerful human values that have been with us for 40,000 years begin to

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reemerge and remind us that they are desperately needed--in the present.

Using a synthesis of ecology, anthropology, philosophy and political theory, this book traces our society's conflicting legacies of freedom and domination, from the first emergence of human culture to today's global capitalism. The theme of Murray Bookchin's grand historical narrative is straightforward: environmental, economic and political devastation are born at the moment that human societies begin to organize themselves hierarchically. And, despite the nuance and detail of his arguments, the lesson to be learned is just as basic: our nightmare will continue until hierarchy is dissolved and human beings develop more sane, sustainable and egalitarian social structures.

Argues that video games go beyond entertainment and examines the principles that make these games valuable tools of learning and literacy.

This book is an analysis of literary texts that question, critique, or subvert anthropocentrism, the notion that the universe and everything in it exists for humans. Bryan Moore examines ancient Greek and Roman texts; medieval to twentieth-century European texts; eighteenth-century French philosophy; early to contemporary American texts and poetry; and science fiction to demonstrate a historical basis for the questioning of anthropocentrism and contemplation of responsible environmental stewardship in the twenty-first century and beyond. *Ecological Literature and the Critique of Anthropocentrism* is essential reading for ecocritics and ecofeminists. It will also be useful for researchers interested in the relationship between science and literature, environmental philosophy, and literature in general.

As a botanist, Robin Wall Kimmerer has been trained to ask questions of nature with the tools of science. As a member of the Citizen Potawatomi Nation, she embraces the notion that

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plants and animals are our oldest teachers. In *Braiding Sweetgrass*, Kimmerer brings these two lenses of knowledge together to take us on “a journey that is every bit as mythic as it is scientific, as sacred as it is historical, as clever as it is wise” (Elizabeth Gilbert). Drawing on her life as an indigenous scientist, and as a woman, Kimmerer shows how other living beings—asters and goldenrod, strawberries and squash, salamanders, algae, and sweetgrass—offer us gifts and lessons, even if we've forgotten how to hear their voices. In reflections that range from the creation of Turtle Island to the forces that threaten its flourishing today, she circles toward a central argument: that the awakening of ecological consciousness requires the acknowledgment and celebration of our reciprocal relationship with the rest of the living world. For only when we can hear the languages of other beings will we be capable of understanding the generosity of the earth, and learn to give our own gifts in return.

CD-ROM contains: investigations, videos, word study & glossary, cumulative tests and chapter guides.

"For too many traumatized children and their families, chronic stressors such as poverty, substance abuse, and family or community violence--coupled with an overburdened care system/m-/pose seemingly insurmountable barriers to treatment. This empowering book provides a user-friendly blueprint for making the most of limited resources to help those considered the "toughest cases." Evidence-based strategies are presented for effectively integrating individualized treatment with services at the home, school, and community levels. Written in an accessible, modular format with reproducible forms and step-by-step guidelines for assessment and intervention, the approach is grounded in the latest knowledge about child traumatic stress. It has been recognized as a treatment of choice by state mental health

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agencies nationwide"--

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-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.

What is poststructuralist theory, and what difference does it make to literary criticism? Where do we find the meaning of the text: in the author's head? in the reader's? Or do we, instead, make meaning in the practice of reading itself? If so, what part do our own values play in the process of interpretation? And what is the role of the text? Catherine Belsey considers these and other questions concerning the relations between human beings and language, readers

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and texts, writing and cultural politics. Assuming no prior knowledge of poststructuralism, *Critical Practice* guides the reader confidently through the maze of contemporary theory. It simply and lucidly explains the views of key figures such as Louis Althusser, Roland Barthes, Jacques Lacan and Jacques Derrida, and shows their theories at work in readings of familiar literary texts. *Critical Practice* argues that theory matters, because it makes a difference to what we do when we read, opening up new possibilities for literary and cultural analysis. Poststructuralism, in conjunction with psychoanalysis and deconstruction, makes radical change to the way we read both a priority and a possibility. With a new chapter, updated guidance on further reading and revisions throughout, this second edition of *Critical Practice* is the ideal guide to the present and future of literary studies.

An English professor explores the problems posed by God's exclusion of Cain in the biblical story, arguing that the very concept of monotheism has led to a violent nationalism and an "us-versus-them" mentality and offering an alternative ethics. UP.

Introduction to Process Control, Third Edition continues to provide a bridge between traditional and modern views of process control by blending conventional topics with a broader perspective of integrated process operation, control, and information systems. Updated and expanded throughout, this third edition addresses issues highly relevant to today's teaching of process control: Discusses smart manufacturing, new data preprocessing techniques, and machine learning and artificial intelligence concepts that are part of current smart manufacturing decisions Includes extensive references to guide the reader to the resources needed to solve modeling, classification, and monitoring problems Introduces the link between process optimization and process control (optimizing control), including the effect of

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disturbances on the optimal plant operation, the concepts of steady-state and dynamic back-off as ways to quantify the economic benefits of control, and how to determine an optimal transition policy during a planned production change Incorporates an introduction to the modern architectures of industrial computer control systems with real case studies and applications to pilot-scale operations Analyzes the expanded role of process control in modern manufacturing, including model-centric technologies and integrated control systems Integrates data processing/reconciliation and intelligent monitoring in the overall control system architecture Drawing on the authors' combined 60 years of teaching experiences, this classroom-tested text is designed for chemical engineering students but is also suitable for industrial practitioners who need to understand key concepts of process control and how to implement them. The text offers a comprehensive pedagogical approach to reinforce learning and presents a concept first followed by an example, allowing students to grasp theoretical concepts in a practical manner and uses the same problem in each chapter, culminating in a complete control design strategy. A vast number of exercises throughout ensure readers are supported in their learning and comprehension. Downloadable MATLAB® toolboxes for process control education as well as the main simulation examples from the book offer a user-friendly software environment for interactively studying the examples in the text. These can be downloaded from the publisher's website. Solutions manual is available for qualifying professors from the publisher.

NOTE: This loose-leaf, three-hole punched version of the textbook gives you the flexibility to take only what you need to class and add your own notes -- all at an affordable price. For loose-leaf editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title

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and registrations are not transferable. You may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering products. For introductory biology course for science majors Focus. Practice. Engage. Built unit-by-unit, Campbell Biology in Focus achieves a balance between breadth and depth of concepts to move students away from memorization. Streamlined content enables students to prioritize essential biology content, concepts, and scientific skills that are needed to develop conceptual understanding and an ability to apply their knowledge in future courses. Every unit takes an approach to streamlining the material to best fit the needs of instructors and students, based on reviews of over 1,000 syllabi from across the country, surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and the Vision and Change in Undergraduate Biology Education report. Maintaining the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation, the 3rd Edition builds on this foundation to help students make connections across chapters, interpret real data, and synthesize their knowledge. The new edition integrates new, key scientific findings throughout and offers more than 450 videos and animations in Mastering Biology and embedded in the new Pearson eText to help students actively learn, retain tough course concepts, and successfully engage with their studies and assessments. Also available with Mastering Biology By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. Integrate dynamic content and tools with Mastering Biology and enable students to practice, build skills, and apply their knowledge. Built for, and directly tied to the text, Mastering Biology enables an extension of learning, allowing students a platform to practice, learn, and apply outside of the classroom. Note: You are purchasing a

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Essentials of Ecology presents introductory ecology in an accessible, state-of-the-art format designed to cultivate the novice student's understanding of, and fascination with, the natural world. This new edition has been updated throughout, with new, full-color illustrations, and comes with an accompanying website with downloadable illustrations, multiple-choice questions, and interactive models.

The best-selling CHILD, FAMILY, SCHOOL, COMMUNITY: SOCIALIZATION AND SUPPORT, now in its Tenth Edition, offers an excellent introduction to socialization that is grounded in a powerful conceptual framework-Urie Bronfenbrenner's Bioecological Model of Human Development. Examining how the school, family, and community influence children's socialization, this text addresses complex issues in a clear, comprehensive fashion. Students enjoy reading the book and appreciate its narrative drive, meaningful and timely examples, and effective pedagogy. A sensitive and robust presentation of diversity issues includes matters related to culture, ethnicity, gender, sexual orientation, socioeconomic status and special

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needs. Updated throughout, this edition features a strong emphasis on NAEYC and NASW standards as well as a new neuroscience feature called “Brain Briefs.” Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Inspiring people to care about the planet. In the new edition of *LIVING IN THE ENVIRONMENT*, authors Tyler Miller and Scott Spoolman have partnered with the National Geographic Society to develop a text designed to equip students with the inspiration and knowledge they need to make a difference solving today's environmental issues. Exclusive content highlights important work of National Geographic Explorers, and features over 200 new photos, maps, and illustrations that bring course concepts to life. Using sustainability as the integrating theme, *LIVING IN THE ENVIRONMENT 18e*, provides clear introductions to the multiple environmental problems that we face and balanced discussions to evaluate potential solutions. In addition to the integration of new and engaging National Geographic content, every chapter has been thoroughly updated and 18 new Core Case Studies offer current examples of present environmental problems and scenarios for potential solutions. The concept-centered approach used in the text transforms complex environmental topics and issues into key concepts that students will understand and remember. Overall, by framing the concepts with goals for more sustainable lifestyles and human communities, students see how promising the future can be and their important role in shaping it. offers additional exclusive National Geographic content, including high-quality videos on important environmental problems and efforts being made to address them. Team up with Miller/Spoolman's, *LIVING IN THE ENVIRONMENT* and the National Geographic Society to offer your students the most

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inspiring introduction to environmental science available! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Wildlife Management and Conservation presents a clear overview of the management and conservation of animals, their habitats, and how people influence both. The relationship among these three components of wildlife management is explained in chapters written by leading experts and is designed to prepare wildlife students for careers in which they will be charged with maintaining healthy animal populations; finding ways to restore depleted populations while reducing overabundant, introduced, or pest species; and managing relationships among various human stakeholders. Topics covered in this book include • The definitions of wildlife and management • Human dimensions of wildlife management • Animal behavior • Predator–prey relationships • Structured decision making • Issues of scale in wildlife management • Wildlife health • Historical context of wildlife management and conservation • Hunting and trapping • Nongame species • Nutrition ecology • Water management • Climate change • Conservation planning

Genre studies and genre approaches to literacy instruction continue to develop in many regions and from a widening variety of approaches. Genre has provided a key to understanding the varying literacy cultures of regions, disciplines, professions, and educational settings. *GENRE IN A CHANGING WORLD* provides a wide-ranging sampler of the remarkable variety of current work. The twenty-four chapters in this volume, reflecting the work of scholars in Europe, Australasia, and North and South America, were selected from the over 400 presentations at SIGET IV (the Fourth International Symposium on Genre Studies) held on

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the campus of UNISUL in Tubarão, Santa Catarina, Brazil in August 2007—the largest gathering on genre to that date. The chapters also represent a wide variety of approaches, including rhetoric, Systemic Functional Linguistics, media and critical cultural studies, sociology, phenomenology, enunciation theory, the Geneva school of educational sequences, cognitive psychology, relevance theory, sociocultural psychology, activity theory, Gestalt psychology, and schema theory. Sections are devoted to theoretical issues, studies of genres in the professions, studies of genre and media, teaching and learning genre, and writing across the curriculum. The broad selection of material in this volume displays the full range of contemporary genre studies and sets the ground for a next generation of work.

The landmark project management reference, now in a new edition Now in a Tenth Edition, this industry-leading project management "bible" aligns its streamlined approach to the latest release of the Project Management Institute's Project Management Body of Knowledge (PMI®'s PMBOK® Guide), the new mandatory source of training for the Project Management Professional (PMP®) Certification Exam. This outstanding edition gives students and professionals a profound understanding of project management with insights from one of the best-known and respected authorities on the subject. From the intricate framework of organizational behavior and structure that can determine project success to the planning, scheduling, and controlling processes vital to effective project management, the new edition thoroughly covers every key component of the subject. This Tenth Edition features: New sections on scope changes, exiting a project, collective belief, and managing virtual teams More than twenty-five case studies, including a new case on the Iridium Project covering all aspects of project management 400 discussion questions More than 125 multiple-choice

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questions (PMI, PMBOK, PMP, and Project Management Professional are registered marks of the Project Management Institute, Inc.)

This successful book, now in its third edition, continues to provide a comprehensive introduction to the role of epidemiology in veterinary medicine. Since the publication of the second edition there has been considerable expansion in the application of veterinary epidemiology: more quantitative methods are available, challenges such as the epidemic of foot-and-mouth disease in Europe in 2001 have required epidemiological investigation, and epidemiological analyses have taken on further importance with the emergence of evidence-based veterinary medicine. In this edition: Completely revised and expanded chapters; Increased attention given to the principles and concepts of epidemiology, surveillance, and diagnostic-test validation and performance; Many examples are drawn from both large and small animal medicine, and from the developing as well as the developed world This paperback edition includes a new section on risk analysis. Veterinary Epidemiology is an invaluable reference source for veterinary general practitioners, government veterinarians, agricultural economists and members of other disciplines interested in animal disease. It will also be essential reading for undergraduate and intermediate-level postgraduate students of epidemiology.

Get complete instructions for manipulating, processing, cleaning, and crunching datasets in Python. Updated for Python 3.6, the second edition of this hands-on guide is packed with practical case studies that show you how to solve a broad set of data analysis problems effectively. You'll learn the latest versions of pandas, NumPy, IPython, and Jupyter in the process. Written by Wes McKinney, the creator of the Python pandas project, this book is a

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practical, modern introduction to data science tools in Python. It's ideal for analysts new to Python and for Python programmers new to data science and scientific computing. Data files and related material are available on GitHub. Use the IPython shell and Jupyter notebook for exploratory computing Learn basic and advanced features in NumPy (Numerical Python) Get started with data analysis tools in the pandas library Use flexible tools to load, clean, transform, merge, and reshape data Create informative visualizations with matplotlib Apply the pandas groupby facility to slice, dice, and summarize datasets Analyze and manipulate regular and irregular time series data Learn how to solve real-world data analysis problems with thorough, detailed examples

In 900 text pages, *Campbell Biology in Focus* emphasizes the essential content and scientific skills needed for success in the college introductory course for biology majors. Each unit streamlines content to best fit the needs of instructors and students, based on surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, and careful analyses of course syllabi. Every chapter includes a Scientific Skills Exercise that builds skills in graphing, interpreting data, experimental design, and math—skills biology majors need in order to succeed in their upper-level courses. This briefer book upholds the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation.

This is a comprehensive textbook for A-level students and first-year undergraduates taking courses in biology, geography and Earth sciences.

A large part of ecological research depends on use of two approaches to synthesizing information about natural communities: classification of communities (or samples representing these) into groups, and ordination (or arrangement) of samples in relation to environmental

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variables. A book published in 1973, 'Ordination and Classification of Communities,' sought to provide, through contributions by an international panel of authors, a coherent treatise on these methods. The book appeared then as Volume 5 of the Handbook of Vegetation Science, for which R. TuxEN is general editor. The desire to make this work more widely available in a less expensive form is one of the reasons for this second edition separating the articles on ordination and on classification into two volumes. The other reason is the rapid advancement of understanding in the area of indirect ordination-mathematical techniques that seek to use measurements of samples from natural communities to produce arrangements that reveal environmental relationships of these communities. Such is the rate of change in this area that the last chapter on ordination in the first edition is already, 4 or 5 years after it was written, out of date; and new techniques of indirect ordination that could only be mentioned as possibilities in the first edition are becoming prominent in the field. In preparing the second edition the chapter on evaluation of ordinations has been rewritten, a new chapter on recent developments in continuous multivariate techniques has been included, and references to recent work have been added to other chapters.

This book brings together a set of approaches to the study of individual-species ecology based on the analysis of spatial variations of abundance. Distribution ecology assumes that ecological phenomena can be understood when analyzing the extrinsic (environmental) or intrinsic (physiological constraints, population mechanisms) that correlate with this spatial variation. Ecological processes depend on geographical scales, so their analysis requires following environmental heterogeneity. At small scales, the effects of biotic factors of ecosystems are strong, while at large scales, abiotic factors such as climate, govern ecological

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functioning. Responses of organisms also depend on scales: at small scales, adaptations dominate, i.e. the ability of organisms to respond adaptively using habitat decision rules that maximize their fitness; at large scales, limiting traits dominate, i.e., tolerance ranges to environmental conditions.?

This open access book describes the serious threat of invasive species to native ecosystems. Invasive species have caused and will continue to cause enormous ecological and economic damage with ever increasing world trade. This multi-disciplinary book, written by over 100 national experts, presents the latest research on a wide range of natural science and social science fields that explore the ecology, impacts, and practical tools for management of invasive species. It covers species of all taxonomic groups from insects and pathogens, to plants, vertebrates, and aquatic organisms that impact a diversity of habitats in forests, rangelands and grasslands of the United States. It is well-illustrated, provides summaries of the most important invasive species and issues impacting all regions of the country, and includes a comprehensive primary reference list for each topic. This scientific synthesis provides the cultural, economic, scientific and social context for addressing environmental challenges posed by invasive species and will be a valuable resource for scholars, policy makers, natural resource managers and practitioners.

This accessible textbook offers students the opportunity to explore for themselves a wide range of sociolinguistic issues relating to the German language and its role in societies around the world. It is written for undergraduate students who have a sound practical knowledge of German but who have little or no knowledge of linguistics or sociolinguistics. It combines text with practical exercises and discussion questions to stimulate readers to think for themselves

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and to tackle specific problems. In Part One Patrick Stevenson invites readers to investigate and reflect on issues about the status and function of the German language in relation to its speakers and to speakers of other languages with which it comes into contact. In Part Two the focus shifts to the forms and functions of individual features of the language. This involves, for example, identifying features of regional speech forms, analysing similarities and differences between written and spoken German, or looking at the 'social meaning' underlying different forms of address. Part Three explores the relationship between the German language and the nature of 'Germanness'. It concentrates on people's attitudes towards the language, the ways in which it is changing, and their views on what it represents for them.

Though the courts have been extremely active in interpreting the rules of the electoral game, this role is misunderstood and understudied—as, in many cases, are the rules themselves. *Law and Election Politics* illustrates how election laws and electoral politics are intertwined, analyzing the rules of the game and some of the most important—and most controversial—decisions the courts have made on a variety of election-related subjects. More than a typical law book that summarizes cases, Mathew Streb has assembled an outstanding group of scholars to place electoral laws and the courts' rulings on those laws in the context of electoral politics. They comprehensively cover the range of topics important to election law—campaign finance, political parties, campaigning, redistricting, judicial elections, the Internet, voting machines, voter identification, ballot access, and direct democracy. This is an essential resource both for students of the electoral process and scholars of election law and election reform.

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