

Online Library Introduction To Environmental Studies

Introduction To Environmental Studies

Nations throughout the world are struggling to limit and manage

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environmental damages stemming from economic production and consumption. In virtually every country, collective action in the form of public policy has been undertaken to rein in these impacts. This text provides an authoritative overview of the dynamic process

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through which governments make decisions on environmental matters. In clear, reader-friendly language, Field introduces students to the rudiments of the public policy process, the participants and their roles, and the content of the major federal environmental statutes

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regarding air, water, and land pollution. Throughout the discussion, Field explores the evolving role of the federal government in U.S. environmental policy. He also highlights important ongoing policy issues, both domestic and international, that will

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confront policy makers well into the future. --Back cover.

Here is the first and only text that helps beginning students master the foundation topics in the dynamic field of environmental technology, from basic toxicology concepts and principles to

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comprehensive hazardous waste management strategies.

Introduction to Environmental Technology organizes a wealth of current need-to-know information into a reader-friendly format that maximizes learning. Throughout, it features case studies that apply the

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text information to real-world environmental challenges, and highlights numerous career options through profiles of actual people working in various aspects of this broad field. This comprehensive, easy-to-understand text provides: An awareness of how the many

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facets of science, technology, and public policy are involved in environmental management protection. An understanding of the sources of pollution and the primary processes that control the fate of pollutants in air, water, and soil. Practical insights into the use

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of land, the benefits of wetlands, and the complex factors influencing land-use decisions. Comprehensive coverage of the main requirements of federal laws and regulations pertaining to hazardous waste, pollution prevention, and occupational health and safety. The

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basic principles needed to operate the latest pollution control and pollution monitoring equipment. Complete with a comprehensive glossary, Introduction to Environmental Technology provides you with the foundation concepts and vocabulary you need

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to succeed in this exciting, fast-changing field.

This book is designed as a basic text for courses that are part of an interdisciplinary program in environmental studies. The intended reader is anyone who expects environmental stewardship

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to be an important part of his or her life, as a citizen, a policy maker, or an environmental management professional. In addition to discussing major issues in environmental ethics, it invites readers to think about how an ethicist's perspective differs from

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the perspectives encountered in other environmental studies courses. Additional topics covered include corporate social responsibility, ecological citizenship, property theory, and the concept of stewardship as a vocation.

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Taking as its starting point the interdependence of the economy and the natural environment, this book provides a comprehensive introduction to the emerging field of ecological economics. The authors, who have written extensively on the economics of sustainability, build

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on insights from both mainstream economics and ecological sciences. Part I explores the interdependence of the modern economy and its environment, while Part II focuses mainly on the economy and on economics. Part III looks at how national governments set policy

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targets and the instruments used to pursue those targets. Part IV examines international trade and institutions, and two major global threats to sustainability - climate change and biodiversity loss.

Assuming no prior knowledge of economics, this textbook is well

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suited for use on interdisciplinary environmental science and management courses. It has extensive student-friendly features including discussion questions and exercises, keyword highlighting, real-world illustrations, further reading and website addresses.

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A Strategic Guide to Micro- and
Macroeconomics

Economics for Environmental
Studies

Keywords for Environmental
Studies

Introduction to the Environmental
Humanities

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Environmental, Social and Personal
Perspectives

Insights from Data with R

Can sociology help us to
tackle environmental
problems? What can
sociology tell us about

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the nature of the environment and about the origins and consequences of environmental risks, hazards and change? In this important new book

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Alan Irwin maps out this emerging field of knowledge, teaching and research. He reviews the key sociological debates in the field and sets out a new framework for

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analysis and practice. Among the themes examined are constructivism and realism, sustainable development and theories of the risk society.

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Readers are also introduced to communities at risk, institutional regulation and the environmental consequences of technology. Particular

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topics for discussion include genetically modified organisms, nuclear power, pesticide safety and the local hazards of the chemical industry. Rather than

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maintaining a fixed boundary between nature and society, Irwin highlights the hybrid character of environmental issues and emphasizes the role of

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social and cultural
factors within
environmental policy.
Combining theoretical
discussion and case-
studies with a
sensitivity to the

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concerns of environmental policy and practice, Sociology and the Environment provides an excellent introduction to an expanding and immensely

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important field. It will be a valuable text for students and scholars in sociology, geography, environmental studies and related disciplines. First Published in 1994.

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Routledge is an imprint of Taylor & Francis, an informa company.

An Introduction to Sustainability provides students with a comprehensive overview

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of the key concepts and ideas which are encompassed within the growing field of sustainability. The book teases out the diverse but intersecting domains

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of sustainability and emphasises strategies for action. Aimed at those studying the subject for the first time, it is unique in giving students from

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different disciplinary
backgrounds a coherent
framework and set of
core principles for
applying broad
sustainability
principles within their

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personal and professional lives. These include: working to improve equality within and across generations, moving from consumerism to quality

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of life goals and respecting diversity in both nature and culture. Areas of emerging importance such as the economics of happiness and wellbeing stand

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alongside core topics including: Energy and society Consumption and consumerism Risk and resilience Waste, water and land. Key challenges and applications are

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explored through international case studies and each chapter includes a thematic essay drawing on diverse literature to provide an integrated introduction

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to fundamental issues. Launched with the brand-new Routledge Sustainability Hub, the book's companion website contains a range of features to engage

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students with the interdisciplinary nature of Sustainability.

Together these resources provide a wealth of material for learning, teaching and researching

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the topic of sustainability. This textbook is an essential companion to any sustainability course. The Global Casino is an introduction to

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environmental issues which deals both with the workings of the physical environment and the political, economic and social frameworks in which the issues occur.

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Using examples from all over the world, the book highlights the underlying causes behind environmental problems, the human actions which have made them issues,

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and the hopes for solutions. It is a book about the human impact on the environment and the ways in which the natural environment impacts human society.

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The fifth edition has been fully revised and updated throughout, with new case studies, figures, and online resources such as downloadable figures and

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tables from the text and multiple choice questions for students, accessible at: www.routledge.com/cw/middleton.
New topics covered in extended boxed case

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studies include payment for environmental services, ocean acidification, biofuels in Brazil, waste reduction through industrial symbiosis,

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and the long-term impact of natural disasters on vulnerable groups. Other approaches and concepts covered for the first time in this new edition include traditional

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ecological knowledge, environmental justice, the 'resource curse', and urban biodiversity. Eighteen chapters on key issues follow three initial chapters which

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outline the background contexts of the physical and human environments and the concept of sustainable development. Each chapter provides historical context for

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key issues, outlines why they have arisen, and highlights areas of controversy and uncertainty to appraise how issues can be resolved both

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technically and in political and economic frameworks. Each chapter also contains an updated critical guide to further reading and websites, as well as

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discussion points and essay questions. The text can be read in its entirety or individual chapters adopted as standalone reading. The Global Casino is an

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essential resource for students of the environment, geography, earth sciences and development studies. It provides comprehensive and inspirational

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coverage of all the
major global
environmental issues of
the day in a style that
is clear and critical.

Sociology and the
Environment

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Introduction To
Environmental Impact
Assessment

Introduction to
Environmental Health: A
Global Perspective
The World We Live in

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Environmental Studies
Environmental Policy

**The importance of
environmental science and
environmental studies cannot
be disputed. The need for
sustainable development is a**

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key to the future of mankind. Continuing problems of pollution, loss of forest, solid waste disposal, degradation of environmental issues like economic productivity and national security, Global

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warming, the depletion of ozone layer and loss of biodiversity have made everyone aware of environmental issues and consequences. In spite of the deteriorating status of the

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environment, study of environment has so far not received adequate attention in our academic programmes. Recognizing this, the Hon'ble supreme court directed the UGC to introduce a basic

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course on environment at undergraduate level in college education. Accordingly, UGC constituted an expert committee, which drafted the core module course, comprising of 7 units and field

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work. This book tries to cover up and match with the module core syllabus suggested by UGC, New Delhi for all branches of Engineering. The third edition of Introduction to Environmental

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Forensics is a state-of-the-art reference for the practicing environmental forensics consultant, regulator, student, academic, and scientist, with topics including compound-specific isotope analysis

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(CSIA), advanced multivariate statistical techniques, surrogate approaches for contaminant source identification and age dating, dendroecology, hydrofracking, releases from underground

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storage tanks and piping, and contaminant-transport modeling for forensic applications. Recognized international forensic scientists were selected to author chapters in their

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specific areas of expertise and case studies are included to illustrate the application of these methods in actual environmental forensic investigations. This edition provides updates on advances

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in various techniques and introduces several new topics. Provides a comprehensive review of all aspects of environmental forensics Coverage ranges from emerging statistical methods

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to state-of-the-art analytical techniques, such as gas chromatography-combustion-isotope ratio mass spectrometry and polytopic vector analysis Numerous examples and case studies are

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provided to illustrate the application of these forensic techniques in environmental investigations

Companion to Environmental Studies presents a comprehensive and

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interdisciplinary overview of the key issues, debates, concepts, approaches and questions that together define environmental studies today. The intellectually wide-ranging volume covers approaches in

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environmental science all the way through to humanistic and post-natural perspectives on the biophysical world. Though many academic disciplines have incorporated studying the environment as part of

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their curriculum, only in recent years has it become central to the social sciences and humanities rather than mainly the geosciences. 'The environment' is now a keyword in everything from

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**fisheries science to
international relations to
philosophical ethics to cultural
studies. The Companion
brings these subject areas,
and their distinctive
perspectives and**

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contributions, together in one accessible volume. Over 150 short chapters written by leading international experts provide concise, authoritative and easy-to-use summaries of all the major and emerging

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topics dominating the field, while the seven part introductions situate and provide context for section entries. A gateway to deeper understanding is provided via further reading and links to

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online resources. Companion to Environmental Studies offers an essential one-stop reference to university students, academics, policy makers and others keenly interested in 'the

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environmental question', the answer to which will define the coming century.

This textbook provides a concise introduction to micro- and macroeconomics and demonstrates how economic

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tools and approaches can be used to analyze environmental issues. Written in an accessible style without compromising depth of the analysis, central issues in the public policy debate on

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environmental problems and environmental policy are discussed and analyzed from an economics perspective. The book is meant as an introductory (and in some parts intermediate) text for

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undergraduate students in environmental sciences without a background in economics. It also serves as a companion for economists interested in a presentation of the micro and macro

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foundations of environmental economics, in a nutshell. The second edition has been revised, updated and extended in many ways, for instance by adding a microeconomic section on environmental

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technical change, a discussion of the significance of technical change for a sustainable development and a considerably extended macroeconomic section on economic growth.

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**Introduction to Environmental
Technology**

**An Introduction to
Environmental Studies**

**Environmental Ethics for the
Long Term**

A Critical Introduction

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Computers in Earth and Environmental Sciences Environmental Issues

***"Covers a broad range of
subjects that undergraduates
in the discipline should be
familiar and comfortable with***

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upon graduation. From chapters on the scientific method and fundamental research concepts, to experimental design, sampling and statistical analysis, the text offers an excellent introduction to the

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key concepts of geographical research. The content is applicable for students at the beginning of their studies right through to planning and conducting dissertations. The book has also been of particular support in

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designing my level 1 and 2 tutorials which cover similar ground to several of the chapters." - Joseph Mallalieu, School of Geography, Leeds University "Montello and Sutton is one of the best texts I've used in seminars on

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research methodology. The text offers a clear balance of quantitative vs. qualitative and physical vs. human which I've found particularly valuable. The chapters on research ethics, scientific communication, information

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technologies and data visualization are excellent." - Kenneth E. Foote, Department of Geography, University of Colorado at Boulder This is a broad and integrative introduction to the conduct and interpretation of

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scientific research, covering both geography and environmental studies.

Written for undergraduate and postgraduate students, it: Explains both the conceptual and the technical aspects of research, as well as all phases

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***of the research process
Combines approaches in
physical geography and
environmental science,
human geography and human-
environment relations, and
geographic and environmental
information techniques (such***

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***as GIS, cartography, and
remote sensing) Combines
natural and social scientific
approaches common to
subjects in geography and
environmental studies
Includes case studies of
actual research projects to***

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demonstrate the breadth of approaches taken It will be core reading for students studying scientific research methods in geography, environmental studies and related disciplines such as planning and earth science.

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Introduction to Environmental Health: A Global Perspective explores the fundamentals of environmental health, giving students a solid grounding in current issues and controversies and enhancing understanding of the

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scientific data that drives these issues. Each chapter of the text begins with an introduction and concise review of each topic, which is then expanded through relevant readings, most of which include data sets.

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Chapters include readings that illustrate concepts in the context of a developed country, followed by readings that illustrate that same concept in a developing country. This gives students the opportunity to explore

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how economics impacts environmental policies. By examining environmental health from several demographic and cultural perspectives, the material also educates students about environmental justice, and the

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consequences of human activity on natural systems. The book addresses a variety of environmental health topics including human population, toxicology, biomes, water resources, and solid and hazardous waste

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management. This edition features updated introductions, timely readings, and up-to-date statistics. Introduction to Environmental Health is ideal for undergraduate courses in environmental health, public

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health, health sciences, sustainability, and global health. The book includes upper level materials, and in-depth readings and case studies. Filled with current examples and contemporary readings, the text makes

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environmental science both relevant and relatable. Anne Marie Zimeri earned her Ph.D. in molecular genetics at the University of Georgia. She is currently an assistant professor at the University of Georgia, Athens, where she

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teaches courses in environmental health science, genetic applications in environmental health sciences, solid and hazardous waste management, emerging technologies, and global food security. In addition to

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***teaching, Dr. Zimeri serves as
the undergraduate
coordinator and internship
coordinator for the EHAC
Accredited Department of
Environmental Health
Sciences Program.
The field of environmental***

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studies integrates many disciplines in the study of our environment. It includes some fo the most important applied topics of modern civilization as well as some of the oldest philosophical concerns of human beings -- that is, the

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nature of our relationship to our surroundings. Both applied and basic aspects require a solid foundation in the natural sciences (including biology, geology, geography, oceanography, soil science, hydrology and

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climatology). We must also be aware of the cultural and historical context in which we make decisions about our environment and understand the ways in which choices are made and implemented. Thus, the field of environmental

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studies integrates the natural sciences with environmental ethics, environmental economics, environmental law, and planning.

Environmental Studies: The Earth as a Living Planet attempts to examine the

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entire spectrum of relationships between people and environment. Because this text is an introduction to environmental studies, you do not need any prerequisites in the sciences or humanities.

"A clear grasp of economics is

Online Library Introduction To Environmental Studies

essential to understanding why environmental problems arise and how we can address them. ... Now thoroughly revised with updated information on current environmental policy and real-world examples of market-

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based instruments The authors provide a concise yet thorough introduction to the economic theory of environmental policy and natural resource management. They begin with an overview of environmental

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economics before exploring topics including cost-benefit analysis, market failures and successes, and economic growth and sustainability. Readers of the first edition will notice new analysis of cost estimation as well as

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specific market instruments, including municipal water pricing and waste disposal. Particular attention is paid to behavioral economics and cap-and-trade programs for carbon."--Publisher's web site.
A Critical Introduction to

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***Society, Nature and
Knowledge***

***Introduction to Environmental
Science***

***Introduction to Environmental
Studies***

Introduction to Environmental

Online Library Introduction To Environmental Studies

Forensics

Introduction to Environmental Engineering

Would you like your students to be able to critically analyze the environmental issues they hear about in the news? This unique case study book

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provides the basic tools they will need to probe and examine relevant issues. Features topical and timely cases rather than hypothetical situations. These include population growth, energy and natural resources,

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transportation, and air and water pollution. Presents the tools of critical thinking and applies them throughout the book. This allows students to understand the nature of critical thinking before they are asked to think critically

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about an issue. Includes simple math to understand environmental issues. Mathematical formulas are explained in a non-threatening, step-by-step manner that demystifies math and helps students gain

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confidence. Suggests examples for further research while encouraging students to explore the implications, significance, and validity of their work. Written in a clear and straightforward style. This book covers diverse

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environmental issues such as climate change; biodiversity preservation; prevention of air, water, and soil pollution; and resource recycling. Readers can acquire these four practical interdisciplinary abilities: 1.

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knowledge; 2. technology; 3. evaluation; and 4. strategy in the diverse issues related to the environment. These abilities are fundamental to identifying the core essence of economic and ecological interdependence, to look at

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**and analyze problems from an
overarching perspective, and
to consider countermeasures
to be taken. Each chapter of
this book corresponds to a
lecture in the East Asia
Environmental Strategist
Training Program at Kyushu**

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University and is excellent reading as a sourcebook. Broad in scope, this introduction to environmental ethics considers both contemporary issues and the extent of humanity's responsibility for distant

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future life. John Nolt, a logician and environmental ethicist, interweaves contemporary science, logical analysis, and ethical theory into the story of the expansion of ethics beyond the human species and into the far

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future. Informed by contemporary environmental science, the book deduces concrete policy recommendations from carefully justified ethical principles and ends with speculations concerning the

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deepest problems of environmental ethics. Pedagogical features include chapter outlines, annotated suggestions for further readings, the explanations of key terms when first mentioned, and an extensive

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glossary.

Environmental issues are inherently interdisciplinary, and environmental academic programs increasingly use an interdisciplinary approach. This timely book presents a core framework for

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conducting high quality interdisciplinary research. It focuses on the opportunities rather than the challenges of interdisciplinary work and is written for those doing interdisciplinary work (rather than those studying it). It is

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designed to facilitate high quality interdisciplinary work and the author uses illustrative examples from student work and papers published in the environmental literature. This book's lucid, problem-solving

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approach is framed in an accessible easy-to-read style and will be indispensable for anyone embarking on a research project involving interdisciplinary collaboration. Readership: graduate students, advanced

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**undergraduates, and
researchers involved in the
interface between human and
natural environmental
systems**

**The Environmental
Humanities**

Humans in the Landscape

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**Interdisciplinary Readings
Grand Challenges in
Environmental Sciences
A Primer
Syllabus**

**This accessible and
engaging book provides**

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**readers with the knowledge,
experience, and confidence
to work with raw data and
unlock essential information
(insights) from data
summaries and
visualisations.**

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A concise overview of this multidisciplinary field, presenting key concepts, central issues, and current research, along with concrete examples and case studies. The emergence of

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the environmental humanities as an academic discipline early in the twenty-first century reflects the growing conviction that environmental problems cannot be solved by science

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and technology alone. This book offers a concise overview of this new multidisciplinary field, presenting concepts, issues, current research, concrete examples, and case studies.

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Robert Emmett and David Nye show how humanists, by offering constructive knowledge as well as negative critique, can improve our understanding of such environmental

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problems as global warming, species extinction, and over-consumption of the earth's resources. They trace the genealogy of environmental humanities from European, Australian, and American

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initiatives, also showing its cross-pollination by postcolonial and feminist theories. Emmett and Nye consider a concept of place not synonymous with localism, the risks of

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ecotourism, and the cultivation of wild areas. They discuss the decoupling of energy use and progress, and point to OECD countries for examples of sustainable development. They explain

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the potential for science to do both good and harm, examine dark visions of planetary collapse, and describe more positive possibilities—alternative practices, including

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localization and degrowth. Finally, they examine the theoretical impact of new materialism, feminism, postcolonial criticism, animal studies, and queer ecology on the

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environmental humanities. In an era of climate change, deforestation, melting ice caps, poisoned environments, and species loss, many people are turning to the power of the

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**arts and humanities for
sustainable solutions to
global ecological problems.
Introduction to the
Environmental Humanities
offers a practical and
accessible guide to this**

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dynamic and interdisciplinary field. This book provides an overview of the Environmental Humanities' evolution from the activist movements of the early and mid-twentieth

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century to more recent debates over climate change, sustainability, energy policy, and habitat degradation in the Anthropocene era. The text introduces readers to

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seminal writings, artworks, campaigns, and movements while demystifying important terms such as the Anthropocene, environmental justice, nature, ecosystem, ecology,

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posthuman, and non-human. Emerging theoretical areas such as critical animal and plant studies, gender and queer studies, Indigenous studies, and energy studies are also presented.

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Organized by discipline, the book explores the role that the arts and humanities play in the future of the planet. Including case studies, discussion questions, annotated bibliographies,

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and links to online resources, this book offers a comprehensive and engaging overview of the Environmental Humanities for introductory readers. For more advanced readers, it

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serves as a foundation for future study, projects, or professional development. This is the first textbook to fully synthesize all key disciplines of environmental studies. Humans in the

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Landscape draws on the biophysical sciences, social sciences, and humanities to explore the interactions between cultures and environments over time, and discusses classic

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**environmental problems in
the context of the
overarching conflicts and
frameworks that motivate
them.**

**Ecological Economics
Interdisciplinary**

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Environmental Studies
Society and Its Environment
Introduction to East Asia
Environmental Studies
Exploring Environmental
Ethics
Measuring, Analyzing, and

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Evaluating

Introduction to Environmental Studies: Interdisciplinary Readings provides students with a carefully selected collection of articles that help them navigate the most important topics in environmental

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studies, focusing on different connections between humans and the environment. The anthology emphasizes voices outside the white, male canon to provide students with diverse perspectives and a broader understanding of

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contemporary issues within the discipline. Opening chapters introduce environmental studies, sustainability, and the connection between humans and the resources we extract from the environment. Subsequent chapters examine the

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history of environmentalism in North America, how our relationship to the environment has evolved over time, a concise survey of key environmental processes, and issues related to climate change and our climate crisis. Students

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read about the environmental impact of our food production processes on different countries and groups of people; issues related to environmental justice; the ways in which human population affects the environmental

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sustainability of our future; and sustainable energy issues. The anthology's final chapters address environmental legislation and policies; ethical issues around consumption and collective responsibility; and the future of our

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environment. Featuring compelling and timely readings, Introduction to Environmental Studies is an ideal resource for courses within the discipline.

First Published in 1998. Routledge is an imprint of Taylor & Francis, an

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informa company.

Humans in the Landscape
An Introduction to Environmental Studies
W. W. Norton & Company
Building on the first principles of environmental chemistry, engineering, and ecology, this

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volume fills the need for an advanced textbook introducing the modern, integrated environmental management approach, with a view towards long-term sustainability and within the framework of international regulations. As such, it

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presents the classic technologies alongside innovative ones that are just now coming into widespread use, such as photochemical technologies and carbon dioxide sequestration. Numerous case studies from the fields of air, water

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and soil engineering describe real-life solutions to problems in pollution prevention and remediation, as an aid to practicing professional skills. With its tabulated data, comprehensive list of further reading, and a glossary of

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terms, this book doubles as a reference for environmental engineers and consultants.

An Introduction to Environmental Studies for ESL Students

An Introduction to Environmental Issues

Online Library Introduction To Environmental Studies

People and Nature

An Introduction to Sustainability

The Global Casino, Fifth Edition

Introduction to Environmental

Studies (human Ecological

Problems)

Environmental sciences is a vast

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and multidisciplinary science that involves the study of natural resources of land, water, and air. Introduction to Environmental Sciences comprehensively covers numerous aspects of this vast subject. While some chapters focus the causes of

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environmental problems, others discuss methods and ways of mitigating these causes.

Computers in Earth and
Environmental Sciences:
Artificial Intelligence and
Advanced Technologies in
Hazards and Risk Management

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addresses the need for a comprehensive book that focuses on multi-hazard assessments, natural and manmade hazards, and risk management using new methods and technologies that employ GIS, artificial intelligence, spatial modeling,

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machine learning tools and meta-heuristic techniques. The book is clearly organized into four parts that cover natural hazards, environmental hazards, advanced tools and technologies in risk management, and future challenges in computer

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applications to hazards and risk management. Researchers and professionals in Earth and Environmental Science who require the latest technologies and advances in hazards, remote sensing, geosciences, spatial modeling and machine learning

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will find this book to be an invaluable source of information on the latest tools and technologies available. Covers advanced tools and technologies in risk management of hazards in both the Earth and Environmental Sciences Details

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the benefits and applications of various technologies to assist researchers in choosing the most appropriate techniques for purpose Expansively covers specific future challenges in the use of computers in Earth and Environmental Science Includes

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case studies that detail the applications of the discussed technologies down to individual hazards

Understandings of “nature” have expanded and changed, but the word has not lost importance at any level of discourse: it

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continues to hold a key place in conversations surrounding thought, ethics, and aesthetics. Nowhere is this more evident than in the interdisciplinary field of environmental studies. Keywords for Environmental Studies analyzes the central

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terms and debates currently structuring the most exciting research in and across environmental studies, including the environmental humanities, environmental social sciences, sustainability sciences, and the sciences of nature. Sixty essays

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from humanists, social scientists, and scientists, each written about a single term, reveal the broad range of quantitative and qualitative approaches critical to the state of the field today. From “ecotourism” to “ecoterrorism,” from “genome” to “species,” this

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accessible volume illustrates the ways in which scholars are collaborating across disciplinary boundaries to reach shared understandings of key issues—such as extreme weather events or increasing global environmental inequities— in

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order to facilitate the pursuit of broad collective goals and actions. This book underscores the crucial realization that every discipline has a stake in the central environmental questions of our time, and that interdisciplinary conversations

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not only enhance, but are requisite to environmental studies today. Visit keywords.nyupress.org for online essays, teaching resources, and more.

Substantially updated for the second edition, this engaging and

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innovative introduction to the environment and society uses key theoretical approaches to explore familiar objects. Features substantial revisions and updates for the second edition, including new chapters on E waste, mosquitoes and uranium,

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improved maps and graphics, new exercises, shorter theory chapters, and refocused sections on environmental solutions

Discusses topics such as population and scarcity, commodities, environmental ethics, risks and hazards, and

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political economy and applies them to objects like bottled water, tuna, and trees Accessible for students, and accompanied by in-book and online resources including exercises and boxed discussions, an online test bank, notes, suggested reading, and

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website links for enhanced understanding Offers additional online support for instructors, including suggested teaching models, PowerPoint slides for each chapter with full-color graphics, and supplementary images and teaching material

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An Introduction for the Life and
Environmental Sciences

An Introduction to Human
Ecological Relations

Introduction to Environmental
Sciences

Companion to Environmental
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Environment and Society
Artificial Intelligence and
Advanced Technologies in
Hazards and Risk Management
*Scientists have long
sought to unravel the
fundamental mysteries of*

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the land, life, water, and air that surround us. But as the consequences of humanity's impact on the planet become increasingly evident, governments are realizing the critical

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importance of understanding these environmental systems"and investing billions of dollars in research to do so. To identify high-priority

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environmental science projects, Grand Challenges in Environmental Sciences explores the most important areas of research for the next generation. The bookâ€™s

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goal is not to list the world's biggest environmental problems. Rather it is to determine areas of opportunity that "with a concerted investment" could yield

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significant new findings. Nominations for environmental scienceâ€™s â€™grandâ€™ challenges were solicited from thousands of scientists worldwide. Based on their responses,

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eight major areas of focus were identifiedâ€"areas that offer the potential for a major scientific breakthrough of practical importance to humankind, and that are feasible if

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*given major new funding.
The book further pinpoints
four areas for immediate
action and investment.
Now updated and expanded,
People and Nature is a
lively, accessible*

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introduction to environmental anthropology that focuses on the interactions between people, culture, and nature around the world. Written by a respected

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scholar in environmental anthropology with a multi-disciplinary focus that also draws from geography, ecology, and environmental studies Addresses new issues of importance,

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including climate change, population change, the rise of the slow food and farm-to-table movements, and consumer-driven shifts in sustainability Explains key theoretical issues in

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the field, as well as the most important research, at a level appropriate for readers coming to the topic for the first time
Discusses the challenges in ensuring a livable

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future for generations to come and explores solutions for correcting the damage already done to the environment Offers a powerful, hopeful future vision for improved

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relations between humans and nature that embraces the idea of community needs rather than consumption wants, and the importance of building trust as a foundation for

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a sustainable future
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Methods in Geography and
Environmental Studies
Basic Studies in
Environmental Knowledge,

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*Technology, Evaluation,
and Strategy*

An Introduction

Markets and the

Environment, Second

Edition

The Earth as a Living

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