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# *Environmental Economics An Introduction The Mcgraw Hill*

Environmental Economics in Theory and Practice provides a thorough and coherent review and discussion of environmental economics. It is a guide to the most important areas of natural resource and environmental economics, including the economics of non-renewable and renewable resource extraction, the economics of pollution control, the application of cost-benefit analysis to the

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environment, and the economics of sustainable development. The book concentrates on key elements of economic theory, and shows how they can be applied to real-world problems. Particular emphasis is placed on analyzing recent empirical studies from all over the world along with in-depth coverage of various economic models. Each chapter develops the main theoretical results and recent analytic techniques necessary for understanding applications. Throughout the book, results are presented in words, graphs, and mathematical models; brief technical notes inform readers

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about optimal control theory, the Kuhn-Tucker conditions, game theory, and linear programming. Moving through the laws of thermodynamics to an analysis of market failure, the book turns to the economics of natural resources and pollution control. It concludes with an examination of environmental cost-benefit analysis and sustainable development. A comprehensive text, it is particularly suitable for use in advanced undergraduate and graduate courses in environmental and resource economics. Because of up-to-date coverage, it will also be of interest to professionals working

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in resource and environmental economics.

This textbook provides a solid introduction to the theoretical and empirical aspects of environmental economics, and their links to environmental policy. It advocates drawing on the economist's toolbox as a powerful means of finding solutions to environmental problems by addressing the conflict between the societal costs of pollution on the one hand, and the financial costs of emissions reduction on the other. The book presents the main economic theory approaches to handling environmental problems

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and assessing the monetary value of environmental quality; the most relevant environmental policy instruments and challenges involved in their effective real-world application; and both national and global environmental problems addressed by environmental negotiations and agreements. Given its scope, the book offers a valuable basis of information for students, and for policymakers pursuing effective environmental policies. An Introduction to Sustainability provides students with a comprehensive overview of the key concepts and ideas which

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are encompassed within the growing field of sustainability. The book teases out the diverse but intersecting domains of sustainability and emphasises strategies for action. Aimed at those studying the subject for the first time, it is unique in giving students from different disciplinary backgrounds a coherent framework and set of core principles for applying broad sustainability principles within their personal and professional lives. These include: working to improve equality within and across generations, moving from consumerism to quality of life goals and respecting diversity in

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both nature and culture. Areas of emerging importance such as the economics of happiness and wellbeing stand alongside core topics including: Energy and society Consumption and consumerism Risk and resilience Waste, water and land. Key challenges and applications are explored through international case studies and each chapter includes a thematic essay drawing on diverse literature to provide an integrated introduction to fundamental issues. Launched with the brand-new Routledge Sustainability Hub, the book's companion website contains a range of

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features to engage students with the interdisciplinary nature of Sustainability. Together these resources provide a wealth of material for learning, teaching and researching the topic of sustainability. This textbook is an essential companion to any sustainability course.

Many articles in the Reader were originally published in RFF's quarterly magazine, Resources. Wally Oates has supplemented that with material drawn from other RFF works, including issue briefs and special reports. The readings provide concise, insightful background and perspectives on a broad range of

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environmental issues including benefit-cost analysis, environmental regulation, hazardous and toxic waste, environmental equity, and the environmental challenges in developing nations and transitional economies. Natural-resource topics include resource management, biodiversity, and sustainable agriculture. The articles address many of today's most difficult public policy questions, such as environmental policy and economic growth, and 'When is a Life Too Costly to Save?' New to the second edition is an expanded set of readings on

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global climate change and sustainability, plus cutting-edge policy applications on topics like the environment and public health and the growing problem of antibiotic and pesticide resistance. For general readers, the RFF Reader has been an accessible, nontechnical, authoritative introduction to key issues in environmental and natural resources policy. It has been especially effective in demonstrating the contribution that economics and other social science research can make toward improving public debate and decisionmaking. Organized to follow the contents of popular

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textbooks in environmental  
economics and politics, it has  
also found wide use in beginning  
environmental policy courses.  
Economics for Environmental  
Studies

An Introduction, Third Edition  
A Critical Overview

Markets and the Environment,  
Second Edition

Turning Knowledge Into Action

*Environmental economics  
embraces the issues of market  
failures, pollution control,  
environment protection and  
resource allocation. This text is  
concerned with ways and means  
to achieve this allocation through  
government intervention by way*

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*of statutory regulation.*

*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 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 targets*

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*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 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.*

*Environmental Economics is an introduction to the basic*

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*principles of environmental economics as they have been developed in the past and as they continue to evolve. The examples discussed in this textbook represent only a sample of the full range of issues that actually exists. For this reason, the Seventh Edition sticks to the basic ideas and ways that environmental economists have found to make the basic concepts and models more specific and relevant to concrete environmental issues. The basic structure and sequence of chapters are unchanged but contain new and updated material that reflects the new*

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*research efforts by  
environmental economists over  
the last few years.*

*The 2nd edition of An  
Introduction to Climate Change  
Economics and Policy explains  
the key scientific, economic and  
policy issues related to climate  
change in a completely up-to-  
date introduction for anyone  
interested, and students at all  
levels in various related courses,  
including environmental  
economics, international  
development, geography, politics  
and international relations.  
FitzRoy and Papyrakis highlight  
how economists and  
policymakers often*

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*misunderstand the science of climate change, underestimate the growing threat to future civilization and survival and exaggerate the costs of radical measures needed to stabilize the climate. In contrast, they show how direct and indirect costs of fossil fuels – particularly the huge health costs of local pollution – actually exceed the investment needed for transition to an almost zero carbon economy in two or three decades using available technology.*

*Environment and Economy  
A Strategic Guide to Micro- and  
Macroeconomics  
An Introduction to Climate*

*Change Economics and Policy  
An Integrated Approach*

*Environmental Economics: A  
Simple Introduction*

***This text provides an  
analysis and investigation  
of the most essential areas  
of environmental theory and  
policy, including  
international environmental  
problems. The approach is  
based on standard  
theoretical tools, in  
particular equilibrium  
analysis, and aims to  
demonstrate how economic  
principles can help to  
understand environmental  
issues and guide  
policymakers. Current topics  
including climate change,***

*overfishing and integrated approaches to environmental policies are carefully analyzed in this framework, and a multitude of practical examples from various parts of the world is presented. The subject of environmental economics has become an important focus of debate around the world, with experts as well as ordinary citizens concluding that the environment and the economy can no longer be viewed as separate entities. As a result, contemporary environmental issues are increasingly seen from the point of view of their economics effects and their consequences for human well-*

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*being now and in the future.  
"When our descendants look  
back at the last part of the  
20th century, and now at the  
beginning of the 21st, we  
want them to be able to say:  
"That's when they began to  
take the degradation of the  
natural environment, with  
its threats to human life  
and the life of the planet,  
seriously." Furthermore, we  
would like them to be able  
to see that around this time  
we took serious steps to  
halt and reverse this  
process. This book is an  
introduction to  
environmental econom-ics,  
one way of approaching the  
steps that need to be taken.  
It's about the way human*

*decisions affect the quality of the environment, how human values and institutions shape our demands for improvement in the quality of that environment, and, most especially, about how to design effective public policies to bring about these improvements. Problems of environmental quality are not something new; in fact, history is filled with bleak examples of environmental degradation, from deforestation by ancient peoples to mountains of horse manure in urban areas in the days before automobiles. But today's world is different. For one*

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*thing, many people in economically developed countries, having reached high levels of material well-being, are beginning to ask questions: What good is great material wealth if it comes at the cost of large-scale disruptions of the ecosystem by which we are nourished? More fundamental, perhaps, is the fact that with contemporary economic, demographic, and technological developments around the world, the associated environmental repercussions are becoming much more widespread and lethal. What once were localized environmental impacts, easily rectified,*

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*have now become widespread effects that may very well turn out to be irreversible"--*

*The science of climate change is a complex subject that balances the physical record and scientific fact with politics, policy, and ethics - and is of particular importance to the geosciences. This thoughtfully crafted new text and accompanying media encourage non-science majors to practice critical thinking, analysis, and discourse about climate change themes. Taking a cross-disciplinary approach, acclaimed educator and researcher, David Kitchen,*

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*examines not only the physical science, but the social, economic, political, energy, and environmental issues surrounding climate change. His goal: to turn knowledge into action, equipping students with the knowledge and critical skills to make informed decisions, separate facts from fiction, and participate in the public debate.*

*Introduction to  
Environmental Economics  
An Introduction  
Environmental Economics For  
Non-economists: Techniques  
And Policies For Sustainable  
Development (2nd Edition)  
In Theory and Practice*

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***Environmental Economics: A  
Very Short Introduction***

**"A clear grasp of economics is 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-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 economics before exploring topics including cost-benefit analysis, market failures and successes, and economic growth and sustainability. Readers of the**

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**first edition will notice new analysis of cost estimation as well as 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. The importance of the built environment to environmental protection is well established, with strict environmental regulations now a feature of the working lives of planners, contractors, building designers, and quantity surveyors alike. Those new to, or preparing to join this industry must have an understanding of how their environmental responsibilities relate to their professional**

**responsibilities in economic terms. Designed as an introductory textbook, Urban and Environmental Economics: An Introduction provides the background information from these disciplines to understand crucial tools and economic techniques. A broad range of theories of the natural and built environments and economics are explained, helping the reader develop a real understanding of the topics that influence this subject, such as: the history of economic thought on the built environment the economics of shared space in the built environment cost-benefit analysis and discounting macro-economic tools, measures, and policy sustainable development**

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**resource valuation. Illustrated throughout, and with lists of further reading in every chapter, this book is ideal for students at all levels who need to get to grips with the economics of the environment within a built environment context. Particularly useful to those studying planning, land economy, environmental management, or housing development. This book provides an introduction to the role of economics in debates on the environment. The authors examine the contribution of economics to an understanding of the emergence and persistence of environmental problems and focus on the basic concepts that can be applied to**

**the evaluation of damage and assessment of policy options. Throughout the text, both the usefulness and the limits of economic techniques are explored. These are elaborated in the second part of the book through a number of case studies on environmental issues, both local and global.**

**Explains the economic concepts, such as markets, environmental valuation, risk, and trade, using environmental examples from all over the world. This textbook uses these concepts in understanding and developing policy responses to the environmental issues, such as climate change, water pollution, and the loss of biodiversity.**

**Environmental and Energy Policy**

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**and the Economy**

**Theory and Policy in Equilibrium**

**Environmental Economics and**

**Policy**

**Environmental, Social and**

**Personal Perspectives**

**Environmental Economics for**

**Tree Huggers and Other Skeptics**

Environmental Economics: A

Simple Introduction offers an

accessible guide to the central

theories and methods of

environmental economics, with

examples, equations, and diagrams

to support the analysis. Understand

the problem of environmental

degradation, and why

environmental externalities and

market failure cause pollution to

spiral out of control. Examine the

effectiveness of the polluters pay

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principle and a range of pollution control instruments, including bargaining, Pigovian taxation, tradable emissions permits, and command and control policy. Compare how each of the methods fare on cost efficiency, dynamic efficiency, equity, and performance under uncertainty. Explore efficient environmental management, and see how renewable natural resources can be harvested efficiently, and how a tragedy of the commons scenario can be avoided. Understand the conditions of the Hotelling rule for optimal extraction of non-renewable natural resources. Look at the stages of cost-benefit analysis and environmental policy valuation, and

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how the impacts of projects are valued using stated preference, revealed preference, or production function approaches.

Decisions about the conservation and use of natural resources are made every day by individuals, communities, and nations. The latest edition of Field ' s acclaimed text highlights the incentives and trade-offs embedded in such decisions, providing a lucid introduction to natural resource issues using the analytical framework of economics.

Employing a logical structure and easy-to-understand descriptions, Field covers fundamental economic principles and their general application to natural resource use.

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These principles are further developed in chapters devoted to specific resources. Moreover, this up-to-date volume addresses the challenge of achieving socially beneficial utilization rates in the twenty-first century amid continuing population growth, urbanization, and global climate change. Topics new to the Third Edition include:

- implications of climate change on resources
- fracking
- energy intensity and the energy efficiency gap
- reducing fossil energy
- forests and carbon
- international water issues
- globalization and trade in natural resources

Environmental Economics explores the ways in which economic theory and its applications, as practised

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and taught today, must be modified to explicitly accommodate the goal of sustainability and the vital role played by environmental capital. Pivoting around the first and second laws of thermodynamics, as well as the principles of ecological resilience, this book is divided into five key parts, which includes extensive coverage of environmental microeconomics and macroeconomics. It drills down into issues and challenges including consumer demand; production and supply; market organisation; renewable and non-renewable resources; environmental valuation; macroeconomic stabilisation, and international trade and globalisation. Drawing on case

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studies from forestry, water, soil, air quality, and mining, this book will equip readers with skills that enable the analyses of environmental and economic policy issues with a specific focus on the sustainability of the economy. Rich in pedagogical features, including key concepts boxes and review questions at the end of each chapter, this book will be a vital resource for upperlevel undergraduate and postgraduate students studying not only environmental economics/ecological economics but also economics in general. This book aids those concerned about environmental issues to firmly grasp relevant analytical

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methods and to comprehend the thought process behind environmental economics. It does so by drawing from specific environmental issues and at the same time providing commentary that facilitates understanding. This text contains in-depth explanations necessary for a thorough understanding of the fundamental aspects and importance of environmental economics.

Environmental Economics seeks to elucidate the mechanisms that give rise to environmental problems by approaching environmental issues from an economic perspective. At the same time, it is a study aiming to indicate specific countermeasures that could resolve

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present environmental issues. This text has been put together in way that allows readers without specialized economics knowledge to easily understand the situation, issues and challenges of environmental economics.

ISE Environmental Economics

Theory and Applications

Urban and Environmental

Economics

Foundations of Environmental

Economics

The RFF Reader in Environmental  
and Resource Policy

**Environmental economics can be controversial, but it is also central to some key policy issues facing governments and society today, including industrial pollution,**

**global warming, and waste/recycling. Stephen Smith looks at how economic activity affects the environment in which we live, and how environmental policies can most effectively be used.**

**This shortform textbook provides a concise overview of the fundamentals of environmental economics. It focuses on how economic forces affect the natural environment and how economic policies and behaviors may be altered to improve environmental quality. Spanning ten chapters, the book introduces readers to the key ideas in environmental economics. Topics include**

**environmental externalities,  
technological change, cost-benefit  
analysis, pollution charges,  
emissions and offset trading,  
climate change, and public policy.  
Written by an established  
educator and scholar, Absolute  
Essentials of Environmental  
Economics will be valuable  
reading for students of  
environmental economics,  
environmental policy,  
environmental management and  
related areas. People affiliated  
with environmental interest  
groups, "think tanks," and  
advocacy groups will also find it  
beneficial.**

**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  
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 Handbook of Environmental Economics focuses on the economics of environmental externalities and environmental**

**public goods. Volume I examines environmental degradation and policy responses from a microeconomic, institutional standpoint. Its perspective is dynamic, including a consideration of the dynamics of natural systems, and global, with attention paid to issues in both rich and poor nations. In addition to chapters on well-established topics such as the theory and practice of pollution regulation, it includes chapters on new areas of environmental economics research related to common property management regimes; population and poverty; mechanism design; political economy of regulation;**

**experimental evaluations of policy instruments; and technological change.**

**An Elementary Introduction**

**Volume 3**

**Handbook of Environmental  
Economics**

**Environmental Degradation and  
Institutional Responses**

**Individual Incentives and Public  
Choices**

Environmental Economics and Policy is a best-selling text for environmental economics courses. Offering a policy-oriented approach, it introduces economic theory, empirical fieldwork, and case studies that show how underlying economic principles

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provided the foundation for environmental policies. Key features include: Introductions to the theory and method of environmental economics, including externalities, benefit-cost analysis, valuation methods, and ecosystem goods and services. Extensive coverage of the major issues including climate change mitigation and adaptation, air and water pollution, and environmental justice. Boxed "Examples" and "Debates" throughout the text, which highlight global examples and major talking points. This text will be of use to undergraduate students of economics. Students will leave the course with a global

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perspective of how environmental economics has played and can continue to play a role in promoting fair and efficient environmental management. The text is fully supported with end-of-chapter summaries, discussion questions, and self-test exercises in the book. Additional online resources include references, as well as PowerPoint slides for each chapter.

Environmental and Natural Resource Economics is the best-selling text for natural resource economics and environmental economics courses, offering a policy-oriented approach and introducing economic theory and

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empirical work from the field. Students will leave the course with a global perspective of both environmental and natural resource economics and how they interact. Complemented by a number of case studies showing how underlying economic principles provided the foundation for specific environmental and resource policies, this key text highlights what can be learned from the actual experience. This new, 11th edition includes updated data, a number of new studies and brings a more international focus to the subject. Key features include: Extensive coverage of the major issues including climate change,

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air and water pollution, sustainable development, and environmental justice. Dedicated chapters on a full range of resources including water, land, forests, fisheries, and recyclables. Introductions to the theory and method of environmental economics including externalities, benefit-cost analysis, valuation methods, and ecosystem goods and services. Boxed 'Examples' and 'Debates' throughout the text which highlight global examples and major talking points. The text is fully supported with end-of-chapter summaries, discussion questions, and self-test exercises in the book and multiple-choice questions, simulations,

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references, slides, and an instructor's manual on the Companion Website.

Rigorous, yet written in a way that facilitates understanding of complex material, Environmental Economics: An Integrated Approach provides practical and working knowledge of how environmental policy analysis is developed. This is a true textbook, detailing the tools required to conduct that analysis and also discusses weaknesses in the existing methods, underlining areas for future improvement. This approach allows readers to get a sense of what is known and what is not known about environmental

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economics. The book discusses why we have environmental problems and how we would optimally react if we had perfect information about environmental benefits and costs. It then describes methods in use—and their flaws—to acquire the information necessary to enact environmental policy. The book starts with a categorization of goods types, concluding that environmental problems stem from non-excludable goods that are either rivalrous or non-rivalrous. The author introduces the Coase Theorem in the first chapter, then details how households and firms would behave when facing a zero price on pollution versus a price on

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pollution set equal to presumed known marginal damages. He connects the economic system with the environmental system by aggregating up from individual decisions to the aggregate market system and the aggregate environmental quality. But, of course, the information available is rarely perfect. Clarifying the information difficulties faced by households, firms, and policy makers, the author recognizes that there is both a knowledge gap and a communication gap. He then covers the methods policy makers employ in an attempt to gain sufficient insight into marginal benefits and marginal costs to

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properly set a marginal damage tax, properly limit emission rights, or properly provide public goods. The book then examines the nature of these methods and their likely bias, before concluding that surviving the next 50 to 100 years will lead to a world of ever-improving levels of economic and environmental goods—but the sobering qualifier is that without proper environmental policies there is a significant probability that our species will not be able to reach that desirable outcome. This textbook provides a concise introduction to micro- and macroeconomics and demonstrates how economic tools and

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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 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 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 foundations of

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

Absolute Essentials of  
Environmental Economics  
Ecological Economics  
Natural Resource Economics  
Environmental Economics and  
Natural Resource Management  
Environmental Economics  
This volume presents six new

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papers on environmental and energy economics and policy in the United States. Rebecca Davis, J. Scott Holladay, and Charles Sims analyze recent trends in and forecasts of coal-fired power plant retirements with and without new climate policy. Severin Borenstein and James Bushnell examine the efficiency of pricing for electricity, natural gas, and gasoline. James Archsmith, Erich Muehlegger, and David Rapson provide a prospective analysis of future pathways for electric vehicle adoption. Kenneth Gillingham considers the consequences of such pathways for the design of fuel vehicle

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economy standards. Frank Wolak investigates the long-term resource adequacy in wholesale electricity markets with significant intermittent renewables. Finally, Barbara Annicchiarico, Stefano Carattini, Carolyn Fischer, and Garth Heutel review the state of research on the interactions between business cycles and environmental policy.

Environmental economics, which used to be on the periphery of the economics discipline, is fast becoming mainstream as concern for the environment grows.

Practitioners in other disciplines (e.g. engineering, science, natural resource management, social

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sciences) are increasingly faced with environmental problems that have an economic component.

This invaluable book fills an important gap in the literature by teaching both economists and non-economists how to use economic tools to address environmental problems. The book is divided into three parts. Part I introduces theoretical concepts, including chapters on ecological economics and basic microeconomics for the non-specialist. Part II introduces tools for environmental policy analysis, while Part III discusses global environmental issues. The material is presented in an

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engaging manner with extensive use of graphs and diagrams to explain the key concepts.

Exercises and an extensive bibliography are provided at the end of each chapter.

Clearly written, global in approach, and theoretically broad-minded, this text is an ideal introduction to environmental economics. Assuming no prior knowledge of economics, the international author team introduces fundamental economic concepts as they relate to our environment. They then use the fundamental concepts to explore and assess current and potential policy responses to some of the

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major environmental issues of ourtime. Examples are drawn from all over the world and include such vital issues as climate change, natural resource use, waste management, water pollution, and loss of biodiversity. Barry Field' s Environmental Economics, 3e, examines all the facets of the connection between environmental quality and the economic behavior of individuals and groups of people. The book contains 21 chapters covering Cost and Benefits of Environmental Policy, Environmental Analysis, Policy Analysis, US Policy (Air Pollution, Toxic Wastes, State and Local

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Issues), and International  
Environmental Issues. Barry Field'  
s other text with McGraw-  
Hill/Irwin, Natural Resource  
Economics (© 2001), may be  
packaged with Environmental  
Economics, 3e, at a discount.

An Introduction for Students of  
the Resource and Environmental  
Sciences

An Introduction to Ecological  
Economics, Second Edition

A Simple Introduction

Environmental and Natural  
Resource Economics

An Introduction to Sustainability

The tools of environmental  
economics guide policymakers as  
they weigh development against

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nature, present against future, and certain benefits against uncertain consequences. From reluctant-but-necessary calculations of the value of life, to quandaries over profits at the environment's expense, the policies and research findings explained in this textbook are relevant to decisions made daily by individuals, firms, and governments. The fourth edition of Environmental Economics and Natural Resource Management pairs the user-friendly approaches of the previous editions with the latest developments in the field. A story-based narrative delivers clear, concise coverage of contemporary policy initiatives. To promote environmental and economic literacy, we have added

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even more visual aids, including color photographs and diagrams unmatched in other texts.

Ancillaries include an Instructor's Guide with answers to all of the practice problems and downloadable slides of figures and tables from the book. The economy is a subset of the environment, from which resources are obtained, workers and consumers receive sustenance, and life begins.

Energy prices and environmental calamities constrain economic growth and the quality of life. The same can be said about overly restrictive environmental policies. It is with an appreciation for the weighty influence of this discipline, and the importance of conveying it to students, that this

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textbook is crafted.

Though many students and environmentalists shudder at even the thought of economics, a working knowledge of the basics can be a powerful ally. Economic arguments carry a great deal of weight, and putting them to work for environmental causes can be a deciding factor, especially in policy debates. The reverse is true as well, and an understanding of the possibly flawed, misleading, or overstated economics behind an opponent's case can be crucially important. Environmental Economics for Tree Huggers and Other Skeptics carefully explains the tools of economic analysis and shows how they can be used to help reveal the root causes of and potential

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solutions for environmental and natural resource problems. Jaeger's proven techniques and wonderfully conversational tone assume no economics training, and his presentation of the material is designed to facilitate clarity. His step-by-step approach unearths surprisingly simple, easy-to-remember principles and shows how to apply them to real-world environmental problems. Those with exposure to introductory microeconomics will find *Environmental Economics for Tree Huggers and Other Skeptics* to be a welcome refresher. Undergraduate and graduate students of environmental studies, resource management, law, policy, and related fields, as well as novices who are skeptical

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of how the field could possibly help them in their own efforts, will be pleasantly surprised.

Nothing is more important to our world than finding a more comfortable relationship between the economy and the environment. While issues such as species loss, nitrate pollution, water scarcity and climate change are now attracting the political attention they deserve, their origin in the way our economy is organised is less frequently recognised. This book makes that connection both theoretically – with references to a number of heterodox approaches to economics – and practically through a number of specific issues. Environment and Economy begins by introducing

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readers to the pioneers of this field, such as Fritz Schumacher and Paul Ehrlich, who first drew attention to the disastrous consequences for our environment of our ever-expanding economy. Part II outlines the contributions to the field of Neoclassical Economics, Environmental Economics, Ecological Economics, Green Economics and Anti-Capitalist Economics. Part III takes a pluralist approach to using economic tools to solve a range of environmental problems: economic growth, resource depletion, pollution, globalisation, climate change, markets vs. commons. Written in an accessible style, this introductory text offers students with an

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engaging account of the way that the various traditions of economic thought have approached the environment, bringing them together for the first time in one volume. The text is complimented by boxes, case studies and recommended reading for each theme addressed. It will be of value to students interested in environmental sciences, geography, green issues and economics.

Environmental Economics: Theory and Applications is a comprehensive treatise on environmental economics with special focus on theories of collective action, environmental policy and management. A balanced blend of theory and practice, this book outlines the

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basic concepts, theories, tools and techniques of environmental economics, which not only enable the reader to diagnose the root causes of environmental problems and identify practicable solutions, but also facilitate the design of environmental policy and management strategies. The book combines: - innovative synthesis of concepts, ideas and theories; - presentation in a simple, easy-to-comprehend language and style; - illustrations and examples from real life situations; - latest available research data on various environmental problems, including global warming, acid rain and depletion of the ozone layer; and - special focus on environmental policy and

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management. Useful as a textbook at graduate and post-graduate levels, it caters to the needs of students, teachers, researchers, environment managers and policy-makers in India.

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