

ENVIRONMENTAL ECONOMICS 3RD CANADIAN EDITION

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Markets and the Environment, Second Edition Routledge  
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 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 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.  
Natural Resource Economics World Scientific Publishing Company  
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 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 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 in resource and environmental economics.

**Environmental & Natural Resource Economics** Oxford University Press on Demand  
This textbook provides a concise introduction to micro- and macroeconomics and demonstrates how economic 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 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 environmental economics, in a nutshell. The second edition has been revised, updated and extended in may 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.

**Negotiating Environmental Quality** Routledge  
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 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 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 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.

Economic Analysis of Environmental Policy Oxford University Press  
Engineering Economics in Canada is designed for teaching a course on engineering economics to match engineering practice in Canada today. It recognizes the role of the engineer as a decision maker who has to make and defend sensible decisions. Such decisions must not only take into account a correct assessment of costs and benefits. They must also reflect an understanding of the environment in which the decisions are made.  
Environmental Economics Earthscan  
This third edition of Environmental Economics and Natural Resource Management is the most accessible and user-friendly textbook on the market. Continuing the narrative structure and visual emphasis of the second edition, the text is sprinkled with updates on contemporary policy initiatives, and discussions of the latest developments in the field. The environmental policy of the Obama administration and the international dimension of environmental and natural resource economics are provided with in depth coverage

Environmental Economics Pearson Prentice Hall  
By retaining a strong focus on policy and real-world issues, ENVIRONMENTAL ECONOMICS AND MANAGEMENT: THEORY, POLICY AND APPLICATIONS, provides an applied, practical approach to environmental economic theory accessible to students with either minimal or more advanced economic exposure. The text has a modular structure, which not only organizes the presentation, but also provides a format that allows instructors flexibility and preference in designing material for the course. The presentation does not compromise economic theoretical concepts, but it does complement economic theory with timely, real-world applications. This text is intended to give undergraduate and MBA students a clear perspective of the relationship between market activity and the environment. The text integrates the business perspective in the development of environmental decision-making - a vantage point often overlooked in more conventional treatments. The general approach uses economic analytical tools such as market models, benefit-cost analysis, and risk analysis to assess environmental problems and to evaluate policy solutions.

Introduction to Environmental Economics University of Toronto Press  
If environmental protection is costly, how much should we spend on pollution control? Is it worth reducing pollution to zero, or should we accept some level of pollution because of the economic benefits associated with it? How can we assess the benefits that people get from a less-polluted atmosphere? In broad terms, environmental economics looks at how economic activity and policy affect the environment in which we live. Some production generates pollution, such as power station emissions causing acid rain and contributing to global warming, but household consumption decisions also affect the environment, where more consumption can mean more waste sent to polluting incinerators. However, pollution is not an inevitable consequence of economic activity - environmental policies can require polluting firms to clean up their emissions, and can encourage people to change their behaviour, through environmental taxes on polluting goods, for example. Generally, though, these measures will involve some costs, such as installing pollution control equipment. So there's a trade-off: a cleaner environment, but economic costs. In recent years, many economists have argued for greater use of incentive in the form of pollution charges and emissions trading rather than more traditional direct regulation of polluters. In this Very Short Introduction, Stephen Smith discusses environmental issues including pollution control, reducing environmental damage, and global climate change policies, answering questions about how we should balance environmental and economic considerations, and what form government policies should take. Including many illustrative case studies and examples he shows that this is an exciting field of economics, and one that is at the heart of many public debates and controversies. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Environmental and Natural Resource Economics Routledge  
Environmental Economics, has established itself as one of its field's most authoritative texts, as well as one of the more challenging. It distinguishes itself from other books by presupposing that readers already have an understanding of intermediate microeconomics. Thus, this bookconcentrates only on environmental economics - problems of pollution of earth, air, and water - with an emphasis on regulation and private-sector anti-pollution incentives, and coverage of international examples.

Environmental Economics and Policy McGraw-Hill Companies  
Using strategic game theory, this innovative book carefully reviews the detailed negotiations between industry, regulating agencies, and third parties in environmental policy implementation. The analysis is underpinned by an institutional comparison of German and American administrative and environmental law. After presenting an alternative model to address real-world bargaining, Markus Lehmann provides an economic rationale for the use of case-to-case regulation, a policy instrument traditionally neglected if not rejected by environmental economists. He discusses how and to what extent the shortcomings of this instrument can be overcome by a specific institutional design. He presents a clear-cut policy conclusion which is shown to be quite robust under different model structures and varying sets of assumptions.  
Environmental Economics and Policy John Wiley & Sons

In order to optimally manage the environment and natural resources, it is vitally important to recognize that there is much more to consider than just the environment itself and the natural resources it provides. A key consideration is also the interrelationship between natural ecosystems and human involvement and behavior. This interaction is where the field of environmental resource management comes into play: the complex ecological and sociological systems of the natural world intertwined. The purpose of this book is to consider such matters, and to help readers develop their own capacities as environmental managers and stewards. Bruce Mitchell's textbook Resource and Environmental Management served as the gold standard for many environmental science courses when the first edition published in 1997. Now, twenty years later, an updated third edition allows for the inclusion of recent developments. The book covers the basic theories and concepts of environmental resource management, and guides students to be able to apply those concepts to practical situations. By covering basic theories and concepts, and by using case studies to show how these have been applied, Bruce Mitchell's new edition seeks to ensure that students have competence in both aspects. The text enhances the reader's capacity to conduct

practice and research in resource and environmental management.

Economics of Environmental Conservation Edward Elgar Publishing

A framework is concisely presented for the economic analysis of pollution problems and for evaluating proposed solutions. The substantial recent literature on environmental economics is reviewed and related to Ontario environmental policy. Topics include the theory of externalities as an explanation of environmental problems, policy objectives, costs of information and monitoring, and the impact of these costs on control policy selection. Three case studies of specific pollution problems — sulphur dioxide from a smelter, lead from downtown factories, and urban automobile emissions — are given, and possible solutions explored. The authors' methodology is applicable not only to air and water pollution but also to noise, aesthetic degradation, and solid waste. This study will be welcomed by specialists, civil servants, and students trying to understand the economic aspects of environmental maintenance.

Environmental Economics Taylor & Francis

Harris and Roach present a compact and accessible presentation of the core environmental and resource topics and more, with analytical rigor as well as engaging examples and policy discussions. They take a broad approach to theoretical analysis, using both standard economic and ecological analyses, and developing these both from theoretical and practical points of view. It assumes a background in basic economics, but offers brief review sections on important micro and macroeconomic concepts, as well as appendices with more advanced and technical material. Extensive instructor and student support materials, including PowerPoint slides, data updates, and student exercises are provided.

Principles of Environmental Economics Prentice Hall

This text offers a systematic exposition of environmental and natural resource economics. It considers a variety of real world examples to illustrate the policy relevance and implications of key economic and ecological concepts.

Economics for Environmental Studies Waveland Press

Integrating aspects of philosophy, political science, and some environmental science with economics, this book provides a multidisciplinary and even approach to environmental economics and natural resources policy. Although it does not require a background in basic economic theory the book is rigorous both in analytical approach and content, utilizing both mainstream and alternative economic arguments. Included are a unique chapter on value systems and the role of ethics as well as substantial material on local sustainable development.

Environmental Change and Challenge Oxford University Press, USA

A comprehensive dictionary of environmental economics, compiled by leading academics in the field. Each expression or phrase is explained clearly in non-technical language, with references given to its use in the growing literature on the subject area. From abatement to zonal travel cost method (ZTCM), there are over 1000 cross-referenced entries covering topics such as: environmental instruments for policy-making, techniques applied in environmental and natural resource economics, major issues in environmental economics and environmental management, economics of sustainable development, natural resource accounting, and international environmental agreements. As well as providing incisive answers to questions such as 'What is natural capital?' or 'when are crowding diseconomies important?', the dictionary includes a list of commonly used acronyms and abbreviations, and a complete bibliography detailing the major texts in the field is provided.

Environmental and Natural Resources Economics Island Press

Balancing theory, policy and real-world results, this text aims to offer comprehensive coverage of global and US policy options.

Economic Analysis of Environmental Policies McGraw-Hill Ryerson

Tisdell has produced one of the best books in print about the economics of environmental conservation. This volume updates the 1991 edition by discussing more current issues, theories, developments, and analytic frameworks. Tisdell masterfully weaves into many chapters insights from ecological economics a somewhat new area of economics that cannot be ignored in informed discussions of environmental conservation. . . Tisdell writes clearly and documents each chapter extremely well. He presents a quite balanced view on policy issues, discussing pros and cons of different policies. . . Overall, an extraordinary book. Essential. Academic collections, upper-division undergraduate and up. D.D. Miller, Choice I like it alot and would certainly recommend it to students as an excellent entry point into environmental economics. It is certainly comprehensive, covering international through to local environmental issues, developed and developing country experiences across both green and brown topics. The book is written in a highly accessible style and embodies a rigorous theoretical base on which is developed a host of practical examples of application. This reflects Tisdell's wide ranging experience as one of the senior statesmen of environmental economics. Jeff Bennett, The Australian National University A second edition of this book is to be warmly welcomed. The insights it offers into the sustainable use of ecological resources, especially in developing countries, are important for those coming to the study of environmental, resource or ecological economics for the first time. While the treatment of new topics such as globalization and the Environmental Kuznets Curve adds value to the original text, the inclusion of much material from the first edition helps remind us that there is a rich and long-standing literature on this topic. Charles Perrings, University of York, UK In the second edition of Economics of Environmental Conservation Clem Tisdell applies wisdom, experience and carefully developed economic theory to dozens of conservation issues. The result is a wide ranging book that skillfully employs ecological economics to analyse conservation issues drawn often from Australia and Asia and relevant in many countries. The policy options proposed to the diverse conservation issues reflect a philosophy developed during more than thirty years research. The book is a rich source of insight and inspiration for anyone analysing environmental conservation issues. Ross Cullen, Lincoln University, New Zealand Few economists have the breadth of experience and depth of analytical capability to comment with insight on the vast array of issues that now comprise the environmental agenda. Clem Tisdell is one of that small band. Here is a welcome expansion of his already successful Economics of Environmental Conservation. Highly recommended. David Pearce, University College London, UK This fully updated and comprehensively revised edition of a classic text concentrates on the economics of conserving the living environment. It begins by covering the ethical foundations and basic economic paradigms essential for understanding and assessing ecological economics. General strategies for global environmental conservation, policies for government intervention, developing countries, preserving wildlife and biodiversity, open-access to and common property in natural resources, conservation of natural areas, forestry, agriculture and the environment, tourism, sustainable development and demographic change are also all covered. This second edition deals with contemporary environmental policy issues that can be expected to be of lasting concern and importance each chapter benefiting from either the addition of substantial sections of new material, valuable explanations or updates and revisions in light of developments in theory or world events and conditions. Updated techniques of economic analysis are also introduced, explained simply, and a

Environmental Economics CRC Press

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 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 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.

Economics and the Environment University of Toronto Press

Now in its ninth edition, Economics and the Environment offers an accessible approach to the latest debates, concerns, standards, and legislation related to contemporary environmental issues. Featuring new and updated content throughout, this student-friendly textbook organizes its discussion around four specific questions — How much pollution is too much? Is the government up to the job? How can we do better? How can we resolve global issues? — to provide an inclusive and highly-engaging examination of environmental economics. Following a unique four-question format, the text provides an integrated pedagogy that is simpler and more useful than a “ topics ” approach to the subject. Students are encouraged to discuss the government ’ s role in environmental policy, the benefits and costs of environmental protection, methods for promoting clean technology and sustainability, global pollution and resource issues, environmental justice and ethics, and more. Throughout the text, illustrative examples and real-world case studies are complemented by end-of-chapter problems and exercises that both strengthen student comprehension and increase retention.