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Contract Theory - Patrick Bolton 2004-12-10
A comprehensive introduction to contract theory, emphasizing common themes and methodologies as well as applications in key areas. Despite the vast research literature on topics relating to contract theory, only a few of the field's core ideas are covered in

microeconomics textbooks. This long-awaited book fills the need for a comprehensive textbook on contract theory suitable for use at the graduate and advanced undergraduate levels. It covers the areas of agency theory, information economics, and organization theory, highlighting common themes and methodologies and

presenting the main ideas in an accessible way. It also presents many applications in all areas of economics, especially labor economics, industrial organization, and corporate finance. The book emphasizes applications rather than general theorems while providing self-contained, intuitive treatment of the simple models analyzed. In this way, it can also serve as a reference for researchers interested in building contract-theoretic models in applied contexts. The book covers all the major topics in contract theory taught in most graduate courses. It begins by discussing such basic ideas in incentive and information theory as screening, signaling, and moral hazard. Subsequent sections treat multilateral contracting with private information or hidden actions, covering auction theory, bilateral trade under private information, and the theory of the internal organization of firms; long-term contracts with private information or hidden actions; and incomplete contracts, the theory of ownership

and control, and contracting with externalities. Each chapter ends with a guide to the relevant literature. Exercises appear in a separate chapter at the end of the book.

Mathematics for Economists - Carl P. Simon
1994

Mathematics for Economists, a new text for advanced undergraduate and beginning graduate students in economics, is a thoroughly modern treatment of the mathematics that underlies economic theory. An abundance of applications to current economic analysis, illustrative diagrams, thought-provoking exercises, careful proofs, and a flexible organisation-these are the advantages that Mathematics for Economists brings to today's classroom.

Foundations of Mathematical Economics -
Michael Carter 2001-10-26

This book provides a comprehensive introduction to the mathematical foundations of economics, from basic set theory to fixed point

theorems and constrained optimization. Rather than simply offer a collection of problem-solving techniques, the book emphasizes the unifying mathematical principles that underlie economics. Features include an extended presentation of separation theorems and their applications, an account of constraint qualification in constrained optimization, and an introduction to monotone comparative statics. These topics are developed by way of more than 800 exercises. The book is designed to be used as a graduate text, a resource for self-study, and a reference for the professional economist.

Contemporary Methods and Austrian Economics

- Daniel J. D'Amico 2022-01-27

Contemporary Methods and Austrian Economics, examines the relationship between Austrian economics and these new social scientific methods.

The Economics of Managerial Decisions - Roger Blair 2018

Economic foundations -- Managerial economics

and decision making -- Demand and supply -- Measuring and using demand -- Market structure and managerial decisions -- Production and costs -- Perfect competition -- Monopoly and monopolistic competition -- Cartels and oligopoly -- Game theory and oligopoly -- A manager's guide to antitrust policy -- Managerial decisions - - Advanced pricing decisions -- Decisions about vertical integration and distribution -- Decisions about production, products, and location -- Marketing decisions : advertising and promotion -- Business decisions under uncertainty -- Managerial decisions about information -- Using present value to make multiperiod managerial decisions -- Answer key to chapters -- Answer key to calculus appendix

Fundamental Methods of Mathematical Economics, [ECH Master] - Alpha C. Chiang 2006

It has been 20 years since the last edition of this classic text. Kevin Wainwright, a long time user of the text (British Columbia University and

Simon Fraser University), has executed the perfect revision--he has updated examples, applications and theory without changing the elegant, precise presentation style of Alpha Chiang.

Evaluating the Effectiveness of Artificial Intelligence Systems in Intelligence Analysis -

Daniel Ish 2021

The authors develop methods for assessing the impact of deploying artificial intelligence (AI) systems to support intelligence missions.

Microeconomics for the Critical Mind - Fabio Petri 2021

This textbook explains comprehensively and in rigorous detail not only mainstream microeconomics, but also why many economists are dissatisfied with major aspects of it, and the alternative that they are exploring in response: the Classical-Keynesian-Kaleckian approach.

This advanced yet user-friendly book allows readers to grasp the standard theory of consumers, firms, imperfect competition,

general equilibrium, uncertainty, games and asymmetric information. Furthermore, it examines the classical approaches to value and income distribution advocated by Adam Smith, David Ricardo and Karl Marx, as well as Post-Keynesian pricing theory, and the microeconomics of variable capacity utilization. Using simple models, it highlights the analytical roots of the important differences between the marginal/neoclassical approach and the classical-Keynesian, critically examining the plausibility and reciprocal consistency of their assumptions. The book also addresses various microeconomic issues not generally included in advanced microeconomics textbooks, including differential land rent, joint-production long-period pricing, capital theory from Walras to the Cambridge debates, the foundations of aggregate production functions, the microeconomics of labor markets, and the long-period theory of wages. Lastly, it presents a unique re-evaluation of welfare economics.

Intended for advanced undergraduate and graduate microeconomics courses, this textbook offers a comprehensive introduction to the various approaches and different schools of thought currently competing in the context of economic theory. It can also be used in courses on value and distribution, heterodox economics, and the history of economic analysis. In the present situation, characterized by scientific uncertainty and the co-existence of competing approaches, it will stimulate students to form their own opinion as to which approach appears more promising from a scientific standpoint.

The Economics of Sports - Michael A. Leeds
2016-05-23

For undergraduate courses in sports economics, this book introduces core economic concepts developed through examples from the sports industry. The sports industry provides a seemingly endless set of examples from every area of microeconomics, giving students the opportunity to study economics in a context that

holds their interest. The Economics of Sports explores economic concepts and theory of industrial organization, public finance, and labor economics in the context of applications and examples from American and international sports.

Economists' Mathematical Manual - Knut Sydsaeter 2011-10-20

This volume presents mathematical formulas and theorems commonly used in economics. It offers the first grouping of this material for a specifically economist audience, and it includes formulas like Roy's identity and Leibniz's rule.

Lecture Notes in Microeconomic Theory - Ariel Rubinstein 2012-03-04

Ariel Rubinstein's well-known lecture notes on microeconomics—now fully revised and expanded This book presents Ariel Rubinstein's lecture notes for the first part of his well-known graduate course in microeconomics. Developed during the fifteen years that Rubinstein taught the course at Tel Aviv University, Princeton

University, and New York University, these notes provide a critical assessment of models of rational economic agents, and are an invaluable supplement to any primary textbook in microeconomic theory. In this fully revised and expanded second edition, Rubinstein retains the striking originality and deep simplicity that characterize his famously engaging style of teaching. He presents these lecture notes with a precision that gets to the core of the material, and he places special emphasis on the interpretation of key concepts. Rubinstein brings this concise book thoroughly up to date, covering topics like modern choice theory and including dozens of original new problems. Written by one of the world's most respected and provocative economic theorists, this second edition of *Lecture Notes in Microeconomic Theory* is essential reading for students, teachers, and research economists. Fully revised, expanded, and updated Retains the engaging style and method of Rubinstein's well-

known lectures Covers topics like modern choice theory Features numerous original new problems—including 21 new review problems Solutions manual (available only to teachers) can be found at:

<http://gametheory.tau.ac.il/microTheory/>.

Market Design - Guillaume Haeringer
2018-03-02

A broad overview of market mechanisms, with an emphasis on the interplay between theory and real-life applications; examples range from eBay auctions to school choice. This book offers an introduction to market design, providing students with a broad overview of issues related to the design and analysis of market mechanisms. It defines a market as a demand and a supply, without specifying a price system or mechanism. This allows the text to analyze a broad set of situations—including such unconventional markets as college admissions and organ donation—and forces readers to pay attention to details that might otherwise be

overlooked. Students often complain that microeconomics is too abstract and disconnected from reality; the study of market design shows how theory can help solve existing, real-life problems. The book focuses on the interplay between theory and applications. To keep the text as accessible as possible, special effort has been made to minimize formal description of the models while emphasizing the intuitive, with detailed explanations and resolution of examples. Appendixes offer general reviews of elements of game theory and mechanism design that are related to the themes explored in the book, presenting the basic concepts with as many explanations and illustrations as possible. The book covers topics including the basics of simple auctions; eBay auctions; Vickrey-Clarke-Groves auctions; keyword auctions, with examples from Google and Facebook; spectrum auctions; financial markets, with discussions of treasury auctions and IPOs; trading on the stock market; the basic matching

model; medical match; assignment problems; probabilistic assignments; school choice; course allocation, with examples from Harvard and Wharton; and kidney exchange.

Mathematics for Economics - Michael Hoy
2001

This text offers a presentation of the mathematics required to tackle problems in economic analysis. After a review of the fundamentals of sets, numbers, and functions, it covers limits and continuity, the calculus of functions of one variable, linear algebra, multivariate calculus, and dynamics.

Economics and Ageing - José Luis Iparraguirre
2018-12-11

This upper level textbook provides a coherent introduction to the economic implications of individual and population ageing. Placing economic considerations into a wider social sciences context, this is ideal reading not only for advanced undergraduate and masters students in economics, health economics and the

economics of ageing, but also policy makers, students, professionals and practitioners in gerontology, sociology, health-related sciences and social care. This volume introduces the different conceptualisations of age and definitions of 'old age', as well as the main theories of individual ageing as developed in the disciplines of biology, psychology and sociology. It covers the economic theories of fertility, mortality and migration and describes the four main frameworks that can be used to study economics and ageing, namely the life cycle, the overlapping generations, the perpetual youth and the dynastic models.

Rational Choice - Itzhak Gilboa 2012-08-24

A nontechnical, concise, and rigorous introduction to the rational choice paradigm, focusing on basic insights applicable in fields ranging from economics to philosophy. This book offers a rigorous, concise, and nontechnical introduction to some of the fundamental insights of rational choice theory. It draws on formal

theories of microeconomics, decision making, games, and social choice, and on ideas developed in philosophy, psychology, and sociology. Itzhak Gilboa argues that economic theory has provided a set of powerful models and broad insights that have changed the way we think about everyday life. He focuses on basic insights of the rational choice paradigm—the general conceptualization rather than a particular theory—that survive recent (and well-justified) critiques of economic theory's various failures. Gilboa explains the main concepts in language accessible to the nonspecialist, offering a nonmathematical guide to some of the main ideas developed in economic theory in the second half of the twentieth century. Chapters cover feasibility and desirability, utility maximization, constrained optimization, expected utility, probability and statistics, aggregation of preferences, games and equilibria, free markets, and rationality and emotions. Online appendixes offer additional

material, including a survey of relevant mathematical concepts.

Practice Exercises for Advanced Microeconomic Theory - Felix Muñoz-Garcia 2017-08-25

Solutions and detailed explanations for odd-numbered end-of-chapter exercises (107 problems) in Felix Muñoz-Garcia's Advanced Microeconomic Theory. Felix Muñoz-Garcia's Advanced Microeconomic Theory provides examples and exercises that help students understand how to apply theoretical models and offers tools for approaching similar problems on their own. This workbook provides solutions and step-by-step explanations for the odd-numbered exercises (107 problems in total). The answer key and detailed explanations emphasize the economic intuition behind the mathematical assumptions and results and, in combination with the textbook, enable students to improve both their theoretical and practical preparation.

Economics and Ageing - José Luis Iparraguirre 2018-12-20

This upper level textbook provides a coherent introduction to the economic implications of individual and population ageing. Placing economic considerations into a wider social sciences context, this is ideal reading not only for advanced undergraduate and masters students in economics, health economics and the economics of ageing, but also policy makers, students, professionals and practitioners in gerontology, sociology, health-related sciences and social care. This volume introduces the different conceptualisations of age and definitions of 'old age', as well as the main theories of individual ageing as developed in the disciplines of biology, psychology and sociology. It covers the economic theories of fertility, mortality and migration and describes the four main frameworks that can be used to study economics and ageing, namely the life cycle, the overlapping generations, the perpetual youth and the dynastic models.

Essential Microeconomics - John G. Riley

2012-09-10

Essential Microeconomics is designed to help students deepen their understanding of the core theory of microeconomics. Unlike other texts, this book focuses on the most important ideas and does not attempt to be encyclopedic. Two-thirds of the textbook focuses on price theory. As well as taking a new look at standard equilibrium theory, there is extensive examination of equilibrium under uncertainty, the capital asset pricing model, and arbitrage pricing theory. Choice over time is given extensive coverage and includes a basic introduction to control theory. The final third of the book, on game theory, provides a comprehensive introduction to models with asymmetric information. Topics such as auctions, signaling, and mechanism design are made accessible to students who have a basic rather than a deep understanding of mathematics. There is ample use of examples and diagrams to illustrate issues as well as

formal derivations. Essential Microeconomics is designed to help students deepen their understanding of the core theory of microeconomics.

Advanced Macroeconomics - David Romer
2018-02-19

The fifth edition of Romer's Advanced Macroeconomics continues its tradition as the standard text and the starting point for graduate macroeconomics courses and helps lay the groundwork for students to begin doing research in macroeconomics and monetary economics. Romer presents the major theories concerning the central questions of macroeconomics. The theoretical analysis is supplemented by examples of relevant empirical work, illustrating the ways that theories can be applied and tested. In areas ranging from economic growth and short-run fluctuations to the natural rate of unemployment and monetary policy, formal models are used to present and analyze key ideas and issues. The book has been extensively

revised to incorporate important new topics and new research, eliminate inessential material, and further improve the presentation.

Solutions Manual for Microeconomic

Theory - Chiaki Hara 1997

A Solutions Manual, containing solutions to all end-of chapter questions for MICROECONOMIC THEORY by Mas-Colell, Whinston and Green. It is supplied only to those who are adopting the text, and is free.

Econometrics - Fumio Hayashi 2011-12-12

Hayashi's Econometrics promises to be the next great synthesis of modern econometrics. It introduces first year Ph.D. students to standard graduate econometrics material from a modern perspective. It covers all the standard material necessary for understanding the principal techniques of econometrics from ordinary least squares through cointegration. The book is also distinctive in developing both time-series and cross-section analysis fully, giving the reader a unified framework for understanding and

integrating results. Econometrics has many useful features and covers all the important topics in econometrics in a succinct manner. All the estimation techniques that could possibly be taught in a first-year graduate course, except maximum likelihood, are treated as special cases of GMM (generalized methods of moments). Maximum likelihood estimators for a variety of models (such as probit and tobit) are collected in a separate chapter. This arrangement enables students to learn various estimation techniques in an efficient manner. Eight of the ten chapters include a serious empirical application drawn from labor economics, industrial organization, domestic and international finance, and macroeconomics. These empirical exercises at the end of each chapter provide students a hands-on experience applying the techniques covered in the chapter. The exposition is rigorous yet accessible to students who have a working knowledge of very basic linear algebra and probability theory. All the results are stated

as propositions, so that students can see the points of the discussion and also the conditions under which those results hold. Most propositions are proved in the text. For those who intend to write a thesis on applied topics, the empirical applications of the book are a good way to learn how to conduct empirical research. For the theoretically inclined, the no-compromise treatment of the basic techniques is a good preparation for more advanced theory courses.

Game Theory - Drew Fudenberg 1991-08-29

This advanced text introduces the principles of noncooperative game theory in a direct and uncomplicated style that will acquaint students with the broad spectrum of the field while highlighting and explaining what they need to know at any given point. This advanced text introduces the principles of noncooperative game theory—including strategic form games, Nash equilibria, subgame perfection, repeated games, and games of incomplete information—in

a direct and uncomplicated style that will acquaint students with the broad spectrum of the field while highlighting and explaining what they need to know at any given point. The analytic material is accompanied by many applications, examples, and exercises. The theory of noncooperative games studies the behavior of agents in any situation where each agent's optimal choice may depend on a forecast of the opponents' choices. "Noncooperative" refers to choices that are based on the participant's perceived selfinterest. Although game theory has been applied to many fields, Fudenberg and Tirole focus on the kinds of game theory that have been most useful in the study of economic problems. They also include some applications to political science. The fourteen chapters are grouped in parts that cover static games of complete information, dynamic games of complete information, static games of incomplete information, dynamic games of incomplete information, and advanced topics.

Introduction to Econometrics - James H.

Stock 2018-09-28

Ensure students grasp the relevance of econometrics with *Introduction to Econometrics* -- the text that connects modern theory and practice with motivating, engaging applications. The 4th Edition maintains a focus on currency, while building on the philosophy that applications should drive the theory, not the other way around. The text incorporates real-world questions and data, and methods that are immediately relevant to the applications. With very large data sets increasingly being used in economics and related fields, a new chapter dedicated to Big Data helps students learn about this growing and exciting area. This coverage and approach make the subject come alive for students and helps them to become sophisticated consumers of econometrics.-

Publisher's description.

Writing Your MBA Dissertation - Brian White

2002-05-09

This practical step-by-step guide covers both qualitative and quantitative dissertations. It is customized for MBA students, to reflect: length of MBA dissertations; typical MBA course structures; previous experience of students; and MBA assessment criteria. Each stage of the dissertation process is covered, from research design through to presentation, illustrated with plentiful examples. It emphasizes the evaluation of material and how to make the best use of one's tutor. This practical step-by-step guide covers both qualitative and quantitative dissertations. It is customized for MBA students, to reflect: length of MBA dissertations; typical MBA course structures; previous experience of students; and MBA assessment criteria. Each stage of the dissertation process is covered, from research design through to presentation, illustrated with plentiful examples. It emphasizes the evaluation of material and how to make the best use of one's tutor.

Microeconomic Foundations I - David M. Kreps

2013

Provides a rigorous treatment of some of the basic tools of economic modeling and reasoning, along with an assessment of the strengths and weaknesses of these tools.

Modeling Strategic Behavior: A Graduate Introduction To Game Theory And Mechanism Design - George J Mailath

2018-12-18

It is impossible to understand modern economics without knowledge of the basic tools of gametheory and mechanism design. This book provides a graduate-level introduction to the economic modeling of strategic behavior. The goal is to teach Economics doctoral students the tools of game theory and mechanism design that all economists should know.

Advanced Microeconomic Theory - Geoffrey Alexander Jehle 2001

This advanced economics text bridges the gap between familiarity with microeconomic theory and a solid grasp of the principles and methods

of modern neoclassical microeconomic theory.

Game Theory - Steven Tadelis 2013-01-10

The definitive introduction to game theory This comprehensive textbook introduces readers to the principal ideas and applications of game theory, in a style that combines rigor with accessibility. Steven Tadelis begins with a concise description of rational decision making, and goes on to discuss strategic and extensive form games with complete information, Bayesian games, and extensive form games with imperfect information. He covers a host of topics, including multistage and repeated games, bargaining theory, auctions, rent-seeking games, mechanism design, signaling games, reputation building, and information transmission games. Unlike other books on game theory, this one begins with the idea of rationality and explores its implications for multiperson decision problems through concepts like dominated strategies and rationalizability. Only then does it present the subject of Nash equilibrium and its

derivatives. Game Theory is the ideal textbook for advanced undergraduate and beginning graduate students. Throughout, concepts and methods are explained using real-world examples backed by precise analytic material. The book features many important applications to economics and political science, as well as numerous exercises that focus on how to formalize informal situations and then analyze them. Introduces the core ideas and applications of game theory Covers static and dynamic games, with complete and incomplete information Features a variety of examples, applications, and exercises Topics include repeated games, bargaining, auctions, signaling, reputation, and information transmission Ideal for advanced undergraduate and beginning graduate students Complete solutions available to teachers and selected solutions available to students

Microeconomics - Hugh Gravelle 1992

Intermediate Microeconomics - Walter Nicholson 2008

Intermediate Microeconomics offers a clear and concise treatment of microeconomic principles in a useful pedagogic framework. The mathematical level is approachable and uses basic algebra with extensions to calculus where it helps the analysis. The book is also strongly applied in focus and shows the relevance of theory in the "real world". Whilst these features make the book approachable to students, the theoretical content and overall learning experience is a rigorous one. In this adapted edition Peter Luke and Michael Wood have been brought in to adapt the text for the UK, European and South African market. Applications features in the book have been internationalised, and the European Social Model/US-UK model debate on the macroeconomy discussed at a micro level. This book is designed for students specifically studying economics at an undergraduate or

postgraduate level such as MBA within the UK and EU in general, and South Africa. These students would be predominantly second-year students who have already taken an introductory course in microeconomics.

Introductory Time Series with R - Paul S.P. Cowpertwait 2009-05-28

This book gives you a step-by-step introduction to analysing time series using the open source software R. Each time series model is motivated with practical applications, and is defined in mathematical notation. Once the model has been introduced it is used to generate synthetic data, using R code, and these generated data are then used to estimate its parameters. This sequence enhances understanding of both the time series model and the R function used to fit the model to data. Finally, the model is used to analyse observed data taken from a practical application. By using R, the whole procedure can be reproduced by the reader. All the data sets used in the book are available on the website

<http://staff.elena.aut.ac.nz/Paul-Cowpertwait/ts/>. The book is written for undergraduate students of mathematics, economics, business and finance, geography, engineering and related disciplines, and postgraduate students who may need to analyse time series as part of their taught programme or their research.

Further Mathematics for Economic Analysis - Knut Sydsæter 2005

This book is a companion volume to *Essential Mathematics for Economic Analysis* by Knut Sydsæter and Peter Hammond. The new book is intended for advanced undergraduate and graduate students of economics whose requirements go beyond the material usually taught in undergraduate mathematics courses for economists. It presents most of the mathematical tools that are required for advanced courses in economic theory - both micro and macro.

The Theory of Industrial Organization - Jean Tirole 1988-08-26

The Theory of Industrial Organization is the first primary text to treat the new industrial organization at the advanced-undergraduate and graduate level. Rigorously analytical and filled with exercises coded to indicate level of difficulty, it provides a unified and modern treatment of the field with accessible models that are simplified to highlight robust economic ideas while working at an intuitive level. To aid students at different levels, each chapter is divided into a main text and supplementary section containing more advanced material. Each chapter opens with elementary models and builds on this base to incorporate current research in a coherent synthesis. Tirole begins with a background discussion of the theory of the firm. In Part I he develops the modern theory of monopoly, addressing single product and multi product pricing, static and intertemporal price discrimination, quality choice, reputation, and vertical restraints. In Part II, Tirole takes up strategic interaction between firms, starting

with a novel treatment of the Bertrand-Cournot interdependent pricing problem. He studies how capacity constraints, repeated interaction, product positioning, advertising, and asymmetric information affect competition or tacit collusion. He then develops topics having to do with long term competition, including barriers to entry, contestability, exit, and research and development. He concludes with a "game theory user's manual" and a section of review exercises. Important Notice: The digital edition of this book is missing some of the images found in the physical edition.

Advanced Microeconomic Theory - Felix Munoz-Garcia 2017-08-11

An introduction to advanced topics in microeconomics that emphasizes the intuition behind assumptions and results, providing examples that show how to apply theory to practice. This textbook offers an introduction to advanced microeconomic theory that emphasizes the intuition behind mathematical assumptions,

providing step-by-step examples that show how to apply theoretical models. It covers standard topics such as preference relations, demand theory and applications, producer theory, choice under uncertainty, partial and general equilibrium, monopoly, game theory and imperfect competition, externalities and public goods, and contract theory; but its intuitive and application-oriented approach provides students with a bridge to more technical topics. The book can be used by advanced undergraduates as well as Masters students in economics, finance, and public policy, and by PhD students in programs with an applied focus. The text connects each topic with recent findings in behavioral and experimental economics, and discusses these results in context, within the appropriate chapter. Step-by-step examples appear immediately after the main theoretical findings, and end-of chapter exercises help students understand how to approach similar exercises on their own. An appendix reviews basic

mathematical concepts. A separate workbook, Practice Exercises for Advanced Microeconomic Theory, offers solutions to selected problems with detailed explanations. The textbook and workbook together help students improve both their theoretical and practical preparation in advanced microeconomics.

Game Theory - Hans Peters 2015-06-04

This textbook presents the basics of game theory both on an undergraduate level and on a more advanced mathematical level. It is the second, revised version of the successful 2008 edition. The book covers most topics of interest in game theory, including cooperative game theory. Part I presents introductions to all these topics on a basic yet formally precise level. It includes chapters on repeated games, social choice theory, and selected topics such as bargaining theory, exchange economies, and matching. Part II goes deeper into noncooperative theory and treats the theory of zerosum games, refinements of Nash equilibrium in strategic as well as

extensive form games, and evolutionary games. Part III covers basic concepts in the theory of transferable utility games, such as core and balancedness, Shapley value and variations, and nucleolus. Some mathematical tools on duality and convexity are collected in Part IV. Every chapter in the book contains a problem section. Hints, answers and solutions are included.

Environmental and Natural Resource Economics

- Thomas H. Tietenberg 2018-03-13

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

Advanced Microeconomic Theory - Geoffrey Alexander Jehle 2011

Rev. ed. of: *Advanced microeconomic theory*.
2nd ed. 2001.

Lecture Notes in Microeconomic Theory - Ariel Rubinstein 2012-03-04

Ariel Rubinstein's well-known lecture notes on microeconomics—now fully revised and expanded. This book presents Ariel Rubinstein's lecture notes for the first part of his well-known graduate course in microeconomics. Developed during the fifteen years that Rubinstein taught the course at Tel Aviv University, Princeton University, and New York University, these notes provide a critical assessment of models of rational economic agents, and are an invaluable supplement to any primary textbook in microeconomic theory. In this fully revised and expanded second edition, Rubinstein retains the striking originality and deep simplicity that characterize his famously engaging style of teaching. He presents these lecture notes with a

precision that gets to the core of the material, and he places special emphasis on the interpretation of key concepts. Rubinstein brings this concise book thoroughly up to date, covering topics like modern choice theory and including dozens of original new problems. Written by one of the world's most respected and provocative economic theorists, this second edition of *Lecture Notes in Microeconomic Theory* is essential reading for students, teachers, and research economists. Fully revised, expanded, and updated. Retains the engaging style and method of Rubinstein's well-known lectures. Covers topics like modern choice theory. Features numerous original new problems—including 21 new review problems. Solutions manual (available only to teachers) can be found at:

<http://gametheory.tau.ac.il/microTheory/>.

A First Course in Optimization Theory -

Rangarajan K. Sundaram 1996-06-13

This book, first published in 1996, introduces

students to optimization theory and its use in economics and allied disciplines. The first of its three parts examines the existence of solutions to optimization problems in R^n , and how these solutions may be identified. The second part explores how solutions to optimization problems change with changes in the underlying parameters, and the last part provides an extensive description of the fundamental principles of finite- and infinite-horizon dynamic programming. Each chapter contains a number of detailed examples explaining both the theory and its applications for first-year master's and graduate students. 'Cookbook' procedures are accompanied by a discussion of when such methods are guaranteed to be successful, and, equally importantly, when they could fail. Each result in the main body of the text is also accompanied by a complete proof. A preliminary chapter and three appendices are designed to keep the book mathematically self-contained.

Investment Science - David G. Luenberger 2014

David G. Luenberger's *Investment Science* has become the dominant seller in Master of Finance programs, Senior or Masters level engineering, economics and statistics programs, as well as the programs in Financial Engineering. The author gives thorough yet highly accessible mathematical coverage of the fundamental topics of introductory investments: fixed-income securities, modern portfolio theory and capital asset pricing theory, derivatives (futures, options, and swaps), and innovations in optimal portfolio growth and valuation of multi period risky investments. Throughout the text, Luenberger uses mathematics to present essential ideas about investments and their applications in business practice. The new edition is updated to include the significant advances in financial theory and practice. The text now includes two new chapters on Risk Measurement and Credit Risk and the expanded use of so-called real options, the characterization of volatility changes, and

methods for incorporating such behavior in valuation. New exercise material and

modifications to reflect the most recent financial changes have been made to nearly all chapters in this second edition.