Preface



Welcome to the 19th edition of *Economics*, the best-selling economics textbook in the world. An estimated 14 million students have used *Economics* or its companion editions, *Macroeconomics* and *Microeconomics*. *Economics* has been adapted into Australian and Canadian editions and translated into Italian, Russian, Chinese, French, Spanish, Portuguese, and other languages. We are pleased that *Economics* continues to meet the market test: nearly one out of four U.S. students in principles courses used the 18th edition.

Fundamental Objectives

We have three main goals for *Economics*:

- Help the beginning student master the principles essential for understanding the economizing problem, specific economic issues, and policy alternatives.
- Help the student understand and apply the economic perspective and reason accurately and objectively about economic matters.
- Promote a lasting student interest in economics and the economy.

What's New and Improved?

One of the benefits of writing a successful text is the opportunity to revise—to delete the outdated and install the new, to rewrite misleading or ambiguous statements, to introduce more relevant illustrations, to improve the organizational structure, and to enhance the learning aids.

We trust that you will agree that we have used this opportunity wisely and fully. Some of the more significant changes include the following.

Restructured Introductory Chapters

We have divided the five-chapter grouping of introductory chapters common to *Economics*, *Microeconomics*, and *Macroeconomics* into two parts. Part 1 contains Chapter 1 (Limits, Alternatives, and Choices) and Chapter 2 (The Market System and the Circular Flow). The content in Part 2 has changed and now consists of three chapters: Chapter 3 (Demand, Supply, and Market Equilibrium), Chapter 4 (Elasticity), and Chapter 5 (Market Failures: Public Goods and Externalities).

The chapters in Part 2 are much more conceptoriented and analytical and much less general and descriptive than in the previous edition. Our new approach responds to suggestions by reviewers made over the years to:

- Locate the elasticity chapter immediately after the supply and demand chapter.
- Put the elasticity chapter into *Macroeconomics* for those who cover elasticity in their macro course.
- Eliminate the mainly descriptive Chapter 4 on the private and public sectors and move the relevant content to where it fits more closely with related micro and macro materials.
- Provide a single chapter on international trade, rather than two separate chapters that have overlapping coverage (Chapters 5 and 37 in the 18th edition).
- Boost the analysis of market failures (public goods and externalities) in the introductory sections to complement and balance the strong but highly stylized introduction to the market system discussed in Chapter 2.

Our new approach embraces these suggestions. For micro instructors, the new ordering provides a clear supply-and-demand path to the subsequent chapters on consumer and producer behavior. For macro instructors, the new ordering provides the option of assigning elasticity or market failures or both. And because this content is both optional and modular, macro instructors can also skip it and move directly to the macroeconomic analysis.

The content on the United States in the global economy that appeared in Chapter 5 of the 18th edition is now integrated into Chapter 37 (International Trade). Because Chapter 37 draws only on production possibilities analysis and supply and demand analysis, it can be assigned at any point after Chapter 3 (Demand, Supply, and Market Equilibrium). Therefore, instructors who want to introduce international economics early in their courses can assign Chapter 37 within the introductory chapters found in Parts 1 and 2.

For instructors who prefer Chapter 5 of the prior edition to Chapter 37 of the new edition, we have fully updated the previous Chapter 5 content and made it freely available for viewing and printing at both the instructor and student portions of our Web site, **www.mcconnell19e.com**. Look for it under the new category called Content Options for Instructors (COI). This substitute for Chapter 37 is fully supported by both the instructor supplement package and the student supplement package.

New "Consider This" and "Last Word" Pieces

Our "Consider This" boxes are used to provide analogies, examples, or stories that help drive home central economic

ideas in a student-oriented,

real-world manner. For

instance, a "Consider This"

box titled "McHits and

McMisses" illustrates con-

sumer sovereignty through

a listing of successful and

unsuccessful products.

How businesses exploit

price discrimination is

driven home in a "Con-

sider This" box that

explains why ballparks

charge different admission

prices for adults and chil-

dren but only one set of

prices at their concession

stands. These brief vi-

gnettes, each accompanied

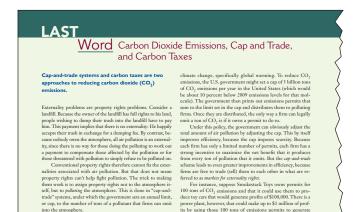
CONSIDER THIS . . The Fable of the Bees Economist Ronald Nobel Prize for his so-called Coase the-orem, which pointed out that under the often negotiate their own mutually agreeable solutions to externality problems through *private bargaining* without the need for government interventions like pollution taxes. This is a very important insight because it means that we shouldn't automatically call for government intervention every time we see a potential externality problem. Consider the pos itive externalities that bees provide by pollinating farmers crops. Should we assume that beekeeping will be underpro-vided unless the government intervenes with, for instance, sub-sidies to encourage more hives and hence more pollination? As it turns out no Research has shown that farmers and hee keepers long ago used private bargaining to develop customs and payment systems that avoid free riding by farmers and encourage payment systems that avoid free riding by farmers and encourage beekeepers to keep the optimal number of hise. Free riding is avoided by the custom that all farmers in an area simultaneously hire beekeepers to provide bees to pollinate their crops. And farmers always pay the beekeepers for their pollination services because if they didn't, then no beekeeper would ever work with them in the future—a situation that would lead to massively reduced crop yields due to a lack of pollination The "Fable of the Bees" is a good reminder that it is a fallacy to assume that the government must always get involved to

remedy externalities. In many cases, the private sector can solve

both positive and negative externality problems on its own.

by a photo, illustrate key points in a lively, colorful, and easy-to-remember way. We have added 16 new "Consider This" boxes in this edition.

Our "Last Word" pieces are lengthier applications or case studies that are placed near the end of each chapter. For example, the "Last Word" section for Chapter 1 (Limits, Alternatives, and Choices) examines pitfalls to sound economic reasoning, while the "Last Word" section for



Chapter 5 (Market Failures: Public Goods and Externalities) examines cap-and-trade versus carbon taxes as policy responses to excessive carbon dioxide emissions. There are 10 new "Last Word" sections in this edition.

ricity. Because firms an tr

Consider carbon dioxide, or CO2. It is a colorless, odorle

If you are unfamiliar with *Economics*, we encourage you to thumb through the chapters to take a quick look at these highly visible features.

New Content on Behavioral Economics

We have added new material covering the consumer-choice aspects of behavioral economics to the end of our chapter on Consumer Behavior (Chapter 6 of Economics and Microeconomics). The new material on behavioral economics covers prospect theory, framing effects, loss aversion, anchoring effects, mental accounting, and the endowment effect. The behavioral economics theory and examples are tightly focused on consumer-choice applications so as to flow smoothly from, and build upon, the standard utilitymaximization theory and applications developed earlier in the chapter. The new material is intentionally at the end of the chapter, not only to show that behavioral economics extends standard theory (rather than replacing or refuting it) but also so that the new material is modular and thus can be skipped by instructors without loss of continuity. A new "Consider This" box on the "hedonic treadmill" and a new "Last Word" section on "nudges" bolster our overall coverage of behavioral economics.

Divided Pure Competition Chapter

We have divided the very long pure competition chapter (Chapter 9 of the 18th edition) into two logically distinct chapters, one on pure competition in the short run (Chapter 8) and the other on pure competition in the long run (Chapter 9). These more "bite-sized" chapters should improve student retention of the material. Students will first master the logic behind the MC = MR rule for setting output as well as

the short-run shutdown condition. Students will then be able to pause to test their understanding of this content through end-of-chapter questions and problems and other supporting materials before moving on to the next chapter's coverage of pure competition in the long run.

We have also combined several table/figure pairs to improve pedagogy in the short-run chapter. In previous editions, the material for this chapter featured three figures that corresponded with the data in three separate tables. We have now combined all three such table/figure pairs, placing each data table directly above its accompanying figure to increase student comprehension. We have also used background highlights on equilibrium numbers in the tables to enable students to more easily move back and forth from references in the body to equilibrium numbers in the tables.

New Public Finance Chapter

By moving the discussion of market failure from Chapter 16 of the 18th edition to Chapter 5 of the 19th edition, we have made room for a new Chapter 16 (Public Finance: Taxation and Expenditures). This traditional public finance chapter adds considerable new content to existing material that previously appeared in Chapter 4 (The U.S. Economy: Private and Public Sectors) and Chapter 17 (Public Choice Theory and the Economics of Taxation). The material adopted from Chapter 4 of the 18th edition includes a circular flow diagram with government; an overview of Federal, state, and local tax revenues and expenditures; and explanations of marginal and average tax rates. The material adopted from Chapter 17 of the 18th edition includes discussions of the benefits-received and ability-to-pay principles of taxation; an explanation of progressive, regressive, and proportional taxes; tax incidence and efficiency losses due to taxation; and the redistributive incidence of the overall tax-spending system in the United States.

This chapter's new material includes a short section on government employment that is built around two pie charts. The first gives a breakdown of what fractions of state and local government employees are dedicated to certain tasks. The second gives a similar accounting for Federal government employees.

Also new to this chapter are "Consider This" boxes on state lotteries and value-added taxes and a "Last Word" section reviewing recent research on the redistributive effects of the *combined* taxation and spending system in the United States.

The new public finance chapter is followed by a restructured chapter covering asymmetric information, voting, and public choice. Reviewers agreed with us that this new two-chapter set covering the microeconomics of government is a major improvement over the prior edition.

New Discussions of the Financial Crisis and the Recession

Our modernization of the macroeconomics in the previous edition has met with great success, measured by reviews, instructor feedback, and market response. We recast the entire macro analysis in terms of the modern, dominant paradigm of macroeconomics, using economic growth as the central backdrop and viewing business fluctuations as significant and costly variations in the rate of growth. In this paradigm, business cycles result from demand shocks (or, less often, supply shocks) in conjunction with inflexible short-run product prices and wages. The degree of price and wage stickiness decreases with time. In our models, the immediate short run is a period in which both the price level and wages are not only sticky, but stuck; the *short run* is a period in which product prices are flexible but wages are not; and the long run is a period in which both product prices and wages are fully flexible. Each of these three periods—and thus each of the models based on them—is relevant to understanding the actual macro economy and its occasional difficulties.

In this edition, we have mainly focused on incorporating into our new macroeconomic schema an analysis of the financial crisis, the recession, and the hesitant recovery. We first introduce the recession in Chapter 23 (An Introduction to Macroeconomics) via a new "Consider This" box that ties to the chapter's discussion of Buzzer Auto, demand shocks, and short-run sticky prices. In Chapter 24 (Measuring Domestic Output and National Income) we point out that the main flows in the National Income and Product Accounts usually expand over time, but not always, as demonstrated by the recession. In Chapter 25 (Economic Growth) we discuss how the recession relates to the growth/production possibilities dynamics of Figure 25.2. In Chapter 26 (Business Cycles, Unemployment, and Inflation) we provide a telling comparison of unemployment rates for various demographic groups for the prerecession year 2007 and the recession year 2009.

In Chapter 27 (Basic Macroeconomic Relationships) we have added two "Consider This" boxes, one on how the paradox of thrift applied to consumer behavior during the recession and the other on the riddle of plunging investment spending at the same time the interest rate dropped to near zero during the recession. In Chapter 28 (The Aggregate Expenditures Model) we use the recession as a timely application of how a decline in aggregate expenditures can produce a recessionary expenditure gap and a highly negative GDP gap. In Chapter 29 (Aggregate Demand and Aggregate Supply) we use the recession as a good application of how negative demand shocks can produce large declines in real output with no or very little deflation. Chapter 30

(Fiscal Policy, Deficits, and Debt) provided a terrific opportunity to bring each of these timely and relevant subjects up-to-date, and we took full advantage of that opportunity.

In Chapter 31 (Money, Banking, and Financial Institutions) we added a major new section on the financial crisis, with emphasis on the mortgage debt crisis, mortgage-backed securities, failures and near-failures of financial firms, the Treasury's TARP rescue, the Fed's extraordinary use of lender-of-last-resort facilities, and the Wall Street Reform and Consumer Protection Act of 2010. In Chapter 32 (Money Creation), we stress that the Fed now pays interest on required reserves, and we also use the "Last Word" on the bank panics of 1930-1933 to explain how the Fed handled things very differently during the recent financial crisis.

Chapter 33 (Interest Rates and Monetary Policy) features several new discussions relating to Fed policies during the recession, including a new discussion on the liquidity trap. Along with giving the Fed high marks for dealing with the crisis, we also say that some economists think the Fed contributed to the financial crisis by keeping interest rates too low for too long during the recovery from the 2001 recession. We also replaced a dated "Consider This" piece with a new one on the ballooning Fed balance sheet and the problems it could pose for monetary policy during the eventual postrecession expansion. Chapter 34 (Financial Economics) presented a new opportunity for us to demonstrate how a sharp decline of the "appetite for risk" alters the slope of the Securities Market Line (SML) and changes investment patterns between stocks and bonds.

Other mentions of the recession are spread throughout the remainder of the macro chapters, including in the discussions of macro debates, trade protectionism, and trade deficits.

Although we found these various ways to work the recession into our macro chapters, we are confident that our basic macroeconomic models will serve equally well in explaining economic recovery and expansion back to the economy's historical growth path. The new inclusions relating to the recession simply help students see the relevance of the models to what they are seeing in the news and perhaps experiencing in their own lives. The overall tone of the book, including the macro, continues to be optimistic with respect to the long-term growth prospects of market economies.

Reworked End-of-Chapter Questions and Problems

We have extensively reworked the end-of-chapter Study Questions, splitting them into questions and problems and adding many new problems. The questions are analytic and often ask for free responses, whereas the problems are mainly quantitative. We have aligned the questions and problems with the learning objectives presented at the beginning of the chapters. All of the questions and problems are assignable through McGraw-Hill's Connect Economics; all of the problems also contain additional algorithmic variations and can be automatically graded within the system. The new lists of questions and problems were well-received by reviewers, many of them long-time users of the book.

Current Discussions and Examples

The 19th edition of *Economics* refers to and discusses many current topics. Examples include the cost of the war in Iraq; surpluses and shortages of tickets at the Olympics; the myriad impacts of ethanol subsidies; creative destruction; aspects of behavioral economics; applications of game theory; the most rapidly expanding and disappearing U.S. jobs; oil and gasoline prices; cap-and-trade systems and carbon taxes; the value-added tax; state lotteries; the Food, Conservation, and Energy Act of 2008; consumption versus income inequality; the Patient Protection and Affordable Care Act (PPACA) of 2010; immigration issues; core inflation; China's continued rapid growth; the severe recession of 2007–2009; the paradox of thrift; the stimulus package of 2008; ballooning Federal budget deficits and public debt; the long-run funding shortfalls in Social Security and Medicare; securitization and the mortgage debt crisis; the Wall Street Reform and Consumer Protection Act of 2010; recent Fed monetary policy; the liquidity trap; the Fed's new term auction facility; the Fed's payment of interest on required reserves; the Taylor rule in relation to Fed policy; the jump in the size of the Fed's balance sheet; U.S. trade deficits; offshoring of American jobs; trade adjustment assistance; the European Union and the Euro Zone; changes in exchange rates; and many other current topics.

Chapter-by-Chapter Changes

Each chapter of *Economics*, 19th edition, contains updated data reflecting the current economy, streamlined Learning Objectives, and reorganized end-of-chapter content.

Chapter-specific updates include:

Chapter 1: Limits, Alternatives, and Choices features a new Learning Objective on consumption possibilities and a revised definition of "entrepreneur" that clarifies why risk taking is socially beneficial and, thus, why entrepreneurial ability is a valuable economic resource.

Chapter 2: The Market System and the Circular Flow includes a revised explanation of property rights, a clarified discussion of firms' motives for choosing the lowest-cost production methods, an updated "McHits and McMisses"

"Consider This" box, and a revised discussion of the circular flow model.

Chapter 3: Demand, Supply, and Market Equilibrium contains wording improvements that clarify the main concepts.

Chapter 4: Elasticity is a new chapter that focuses solely on elasticity. This content has been moved forward from Chapter 6 of the 18th edition, allowing this topic to be covered directly after supply and demand. This content will be available in both the Macro and Micro splits. The material on consumer and producer surplus has been moved to Chapter 5.

Chapter 5: Market Failures: Public Goods and Externalities is a new chapter that first examines consumer surplus, producer surplus, efficiency, and efficiency losses (all from Chapter 6, 18th edition). It then devotes the remainder of the chapter to market failures, specifically public goods and externalities (both from Chapter 16, 18th edition). The chapter also features a new "Last Word" section that discusses the pros and cons of cap-and-trade emissions-control policies and a new "Consider This" box that concisely discusses the Coase Theorem.

Chapter 6: Consumer Behavior features additional coverage and discussion of the consumer-choice aspects of behavioral economics, including prospect theory, framing effects, loss aversion, anchoring effects, mental accounting, and the endowment effect. A new "Consider This" box discusses the hedonic treadmill and a new "Last Word" section explains how governments and firms may use the insights of behavioral economics to encourage desired outcomes.

Chapter 7: Businesses and the Costs of Production features a revised section on economic costs, explicit costs, implicit costs, accounting profit, normal profit, and economic profit; a new section on the rising price of gasoline that replaces the previous section on the doubling of the price of corn; and a rewritten example on daily newspapers.

Chapter 8: Pure Competition in the Short Run is a new chapter that contains information on pure competition in the short run from Chapter 9 of the 18th edition. This chapter features improved pedagogy and a new "Last Word" on the short-run shutdown condition.

Chapter 9: Pure Competition in the Long Run is a new chapter that contains information on pure competition in the long run from Chapter 9 of the 18th edition. This chapter features a new overview introductory section, a new figure clarifying decreasing-cost industries, and a revised discussion of why long-run equilibrium in pure competition yields allocative efficiency. This chapter also introduces creative destruction as a long-run competitive force.

Chapter 10: Pure Monopoly features a revised discussion of rate regulation for a natural monopoly and a precise identification of the income transfers of monopoly.

Chapter 11: Monopolistic Competition and Oligopoly features a revised Figure 11.2 with labels at key points, and an updated discussion of OPEC emphasizing the difficulty that it has had with its members complying with its established oil quotas.

Chapter 11 Web: Technology, R&D, and Efficiency contains a revised discussion of creative destruction.

Chapter 12: The Demand for Resources features improved discussions to clarify the main concepts.

Chapter 13: Wage Determination provides an improved introduction to monopsony.

Chapter 14: Rent, Interest, and Profit features a new section on the interest rate on money loans; an expanded explanation of the differences between insurable and noninsurable risks; an additional source of noninsurable risk (new products or production methods pioneered by rivals); and a new "Consider This" piece on Steve Jobs as an entrepreneur.

Chapter 15: Natural Resource and Energy Economics features a new "Consider This" piece that deals with the high risk associated with commercializing alternative fuel sources.

Chapter 16: Public Finance: Expenditures and Taxes is a new chapter on public finance that combines new material with topics from 18th edition Chapters 4, 16, and 17. This chapter features new pie charts on state and local government expenditures and tax revenues, two new "Consider This" boxes on state lotteries and value-added taxes, and a new "Last Word" on recent research that compares the redistributive effects of the tax system by itself with the redistributive effects of the overall tax-spending system.

Chapter 17: Asymmetric Information, Voting, and Public Choice adds new material to topics that were located in several other chapters in the 18th edition, including: asymmetric information from Chapter 16, government failures and voting inefficiencies and paradoxes from Chapter 17, and the principal-agent problem from Chapter 4. This chapter has a new "Consider This" box on the collective-action problem, a new discussion of political corruption, and a new "Global Perspective" piece comparing bribery rates in various countries.

Chapter 18: Antitrust Policy and Regulation now emphasizes that monopoly pricing raises significant concerns about income transfers (from consumers to producers) as well as efficiency losses.

Chapter 19: Agriculture: Economics and Policy contains a new update of the historical trends of real agricultural prices and clarifications of some of the main concepts.

Chapter 20: Income Inequality, Poverty, and Discrimination extensively updates the data on the distribution of income, poverty, and family wealth.

Chapter 21: Health Care features a detailed explanation and extensive coverage of the Patient Protection and Affordable Care Act of 2010, a new section that explains the history behind why the United States is uniquely dependent on employer-provided health insurance, an improved discussion of why insurance increases prices by increasing demand, and a new "Last Word" on how the health care system of Singapore uses high out-of-pocket costs to keep medical spending down.

Chapter 22: Immigration provides the latest available data on legal and illegal immigration.

Chapter 23: An Introduction to Macroeconomics includes two new "Consider This" boxes. The first contrasts economic investment with financial investment and the second discusses the recession of 2007–2009 in the context of the introductory analysis.

Chapter 24: Measuring Domestic Output and National Income adds new definitions and data for the terms durable goods, nondurable goods, and services in the discussion of personal consumption.

Chapter 25: Economic Growth has substantially revised Learning Objectives that provide a better preview of the chapter; tightened discussions in the "Consider This" boxes on patents in India and on women, the labor force, and economic growth; a new discussion relating the recession to the growth and production possibilities analysis in Figure 25.2; and updates on growth accounting from the Economic Report of the President.

Chapter 26: Business Cycles, Unemployment, and Inflation includes a revised discussion on business cycles, new data on unemployment rates during the recent recession, and a new discussion of core inflation.

Chapter 27: Basic Macroeconomic Relationships features new "Consider This" boxes discussing the Great Recession, the paradox of thrift, and the investment riddle, and an improved discussion of investment instability.

Chapter 28: The Aggregate Expenditures Model provides a revised introduction that links to the prior chapters, improved discussions in the "Assumptions and Simplifications" and "International Linkages" sections, and a new application that relates the Great Recession to the AE model.

Chapter 29: Aggregate Demand and Aggregate Supply has a new introduction that provides a current and relevant example for students, and a reorganized and updated "Last Word" on oil prices.

Chapter 30: Fiscal Policy, Deficits, and Debt provides explicit definitions of expansionary and contractionary fiscal policy and political business cycles, an updated discussion of current fiscal policy, detailed coverage of the 2008 and 2009 stimulus packages, and a new "Last Word" on Social Security and Medicare funding shortfalls.

Chapter 31: Money, Banking, and Financial Institutions features a new section on the financial crisis of 2007–2008, with emphasis on the mortgage default crisis, mortgage-backed securitization, failures and near failures of financial firms, the Treasury's TARP rescue, the Fed's extraordinary new lender-of-last resort facilities, and the Wall Street Reform and Consumer Protection Act of 2010. Also new is a "Last Word" on electronic banking.

Chapter 32: Money Creation contains a clarified discussion of a bank's balance sheet and an updated "Last Word" that contrasts the lack of action by the Fed during the early 1930s compared to the Fed's forceful actions during the financial crisis of 2007–2008.

Chapter 33: Interest Rates and Monetary Policy features a fully updated discussion of recent U.S. monetary policy, a new "Consider This" box on the ballooning balance sheet of the Fed during the recession of 2007–2009, and the conversion of the AD-AS summary figure from the previous edition to a new "Last Word" section.

Chapter 34: Financial Economics provides a revised introduction to the discussion of present value, a new section on applications of the security market line, and a new "Consider This" piece that discusses Ponzi schemes and Bernie Madoff.

Chapter 35: Extending the Analysis of Aggregate Supply features a crisper discussion of economic growth with ongoing inflation, along with a modified Figure 35.7, and an updated discussion of the Phillips Curve.

Chapter 36: Current Issues in Macro Theory and Policy has a new "Consider This" box on the Fed's actions prior to the financial crisis and an updated discussion of the Taylor Rule in the "Last Word."

Chapter 37: International Trade contains relevant content from Chapter 5 of the 18th edition. This chapter features additional explanation that clarifies how comparative advantage differs from absolute advantage, a new "Consider This" box on misunderstanding the gains from trade, and a streamlined discussion of multilateral trade agreements and free-trade zones.

Chapter 38: The Balance of Payments, Exchange Rates, and Trade Deficits features a streamlined explanation of why the balance-of-payments statement always balances,

a revised discussion of official reserves and balance-ofpayments deficits and surpluses, and updated discussions of exchange rates.

Chapter 39 Web: The Economics of Developing Countries includes a revised discussion of large populations and the standard of living and updated coverage of the role of government in improving the growth prospects of developing countries.

Distinguishing Features

Comprehensive Explanations at an Appropriate Level Economics is comprehensive, analytical, and challenging yet fully accessible to a wide range of students. The thoroughness and accessibility enable instructors to select topics for special classroom emphasis with confidence that students can read and comprehend other independently assigned material in the book. Where needed, an extra sentence of explanation is provided. Brevity at the expense of clarity is false economy.

Fundamentals of the Market System Many economies throughout the world are still making difficult transitions from planning to markets while a handful of other countries such as Venezuela seem to be trying to reestablish government-controlled, centrally planned economies. Our detailed description of the institutions and operation of the market system in Chapter 2 (The Market System and the Circular Flow) is therefore even more relevant than before. We pay particular attention to property rights, entrepreneurship, freedom of enterprise and choice, competition, and the role of profits because these concepts are often misunderstood by beginning students worldwide.

Extensive Treatment of International Economics

We give the principles and institutions of the global economy extensive treatment. The appendix to Chapter 3 (Demand, Supply, and Market Equilibrium) has an application on exchange rates. Chapter 37 (International Trade) examines key facts of international trade, specialization and comparative advantage, arguments for protectionism, impacts of tariffs and subsidies, and various trade agreements. Chapter 38 (Balance of Payments, Exchange Rates, and Trade Deficits) discusses the balance of payments, fixed and floating exchange rates, and U.S. trade deficits. Web Chapter 39 (The Economics of Developing Countries) takes a look at the special problems faced by developing countries and how the advanced industrial countries try to help them.

As noted previously in this preface, Chapter 37 (International Trade) is constructed such that instructors who

want to cover international trade early in the course can assign it immediately after Chapter 3. Chapter 37 requires only a good understanding of production possibilities analysis and supply and demand analysis to comprehend. International competition, trade flows, and financial flows are integrated throughout the micro and macro sections. "Global Perspective" boxes add to the international flavor of the book.

Early and Extensive Treatment of Government

The public sector is an integral component of modern capitalism. This book introduces the role of government early. Chapter 5 (Market Failures: Public Goods and Externalities) systematically discusses public goods and government policies toward externalities. Chapter 16 (Public Finance: Expenditures and Taxes) examines taxation and government expenditures in detail, and Chapter 17 (Asymmetric Information, Voting, and Public Choice) looks at salient facets of asymmetric information, voting, and public choice theory as they relate to market failure and government failure. Both the micro and the macro sections of the text include issue- and policy-oriented chapters.

Stress on the Theory of the Firm We have given much attention to microeconomics in general and to the theory of the firm in particular, for two reasons. First, the concepts of microeconomics are difficult for most beginning students; abbreviated expositions usually compound these difficulties by raising more questions than they answer. Second, we wanted to couple analysis of the various market structures with a discussion of the impact of each market arrangement on price, output levels, resource allocation, and the rate of technological advance.

Step-by-Step, Two-Path Macro As in the previous edition, our macro continues to be distinguished by a systematic step-by-step approach to developing ideas and building models. Explicit assumptions about price and wage stickiness are posited and then systematically peeled away, yielding new models and extensions, all in the broader context of growth, expectations, shocks, and degrees of price and wage stickiness over time.

In crafting this step-by-step macro approach, we took care to preserve the "two-path macro" that many instructors appreciated. Instructors who want to bypass the immediate short-run model (Chapter 28: The Aggregate Expenditures Model) can proceed without loss of continuity directly to the short-run AD-AS model (Chapter 29: Aggregate Demand and Aggregate Supply), fiscal policy, money and banking, monetary policy, and the long-run AD-AS analysis.

Emphasis on Technological Change and **Economic Growth** This edition continues to emphasize economic growth. Chapter 1 (Limits, Alternatives, and Choices) uses the production possibilities curve to show the basic ingredients of growth. Chapter 25 (Economic Growth) explains how growth is measured and presents the facts of growth. It also discusses the causes of growth, looks at productivity growth, and addresses some controversies surrounding economic growth. Chapter 25's "Last Word" examines the rapid economic growth in China. Web Chapter 39 focuses on developing countries and the growth obstacles they confront. Web Chapter 11 (Technology, R&D, and Efficiency) provides an explicit and cohesive discussion of the microeconomics of technological advance, including topics such as invention, innovation, and diffusion; start-up firms; R&D decision making; market structure and R&D effort; and creative destruction.

Focus on Economic Policy and Issues For many students, the micro chapters on antitrust, agriculture, income inequality, health care, and immigration, along with the macro chapters on fiscal policy and monetary policy, are where the action is centered. We guide that action along logical lines through the application of appropriate analytical tools. In the micro, we favor inclusiveness; instructors can effectively choose two or three chapters from Part 6.

Integrated Text and Web Site Economics and its Web site are highly integrated through in-text Web buttons, Web-based end-of-chapter questions, bonus Web chapters, multiple-choice self-tests at the Web site, math notes, and other features. Our Web site is part and parcel of our student learning package, customized to the book.

The in-text Web buttons (or indicators) merit special mention. Three differing colors of rectangular indicators appear throughout the book, informing readers that complementary content on a subject can be found at our Web site, www.mcconnell19e.com. The indicator types are:

Worked Problems Written by Norris Peterson of Pacific Lutheran University (WA), these pieces consist of side-by-

WORKED PROBLEMS

W I.I
Budget lines

side computational questions and computational procedures used to derive the answers. In essence, they extend the textbook's explanations

of various computations—for example, of real GDP, real GDP per capita, the unemployment rate, the inflation rate, per-unit production costs, economic profit, and more. From a student's perspective, they provide "cookbook" help for solving numerical problems.

Interactive Graphs These pieces (developed under the supervision of Norris Peterson) depict 30 major graphs and

INTERACTIVE GRAPHS

G I.I

Production possibilities curve

instruct students to shift the curves, observe the outcomes, and derive relevant generalizations. This hands-on graph

work will greatly reinforce the graphs and their meaning.

Origin of the Ideas These pieces, written by Randy Grant of Linfield College (OR), are brief histories of 70 major

ORIGIN OF THE IDEA

01.1

Origin of the term "economics"

ideas identified in the book. They identify the particular economists who developed ideas such as opportunity cost,

equilibrium price, the multiplier, comparative advantage, and elasticity.

Organizational Alternatives

Although instructors generally agree on the content of principles of economics courses, they sometimes differ on how to arrange the material. *Economics* includes 11 parts, and thus provides considerable organizational flexibility. We place microeconomics before macroeconomics because this ordering is consistent with how contemporary economists view the direction of linkage between the two components. The introductory material of Parts 1 and 2, however, can be followed immediately by the macroanalysis of Parts 7 and 8. Similarly, the two-path macro enables covering the full aggregate expenditures model or advancing directly from the basic macro relationships chapter to the AD-AS model.

Some instructors will prefer to intersperse the microeconomics of Parts 3 and 4 with the problems chapters of Part 6. Chapter 19 on agriculture may follow Chapters 8 and 9 on pure competition; Chapter 18 on antitrust and regulation may follow Chapters 10, 11, and 11Web on imperfect competition models and technological advance. Chapter 22 on immigration may follow Chapter 13 on wages; and Chapter 20 on income inequality may follow Chapters 13 and 14 on distributive shares of national income.

Instructors who teach the typical two-semester course and feel comfortable with the book's organization will find that, by putting Parts 1 to 6 in the first semester and Parts 7 to 11 in the second, the material is divided logically between the two semesters.

Finally, as noted before, Chapter 37 on international trade can easily be moved up to immediately after Chapter 3 on supply and demand for instructors who want an early discussion of international trade.

Pedagogical Aids

Economics is highly student-oriented. The "To the Student" statement at the beginning of Part 1 details the book's many pedagogical aids. The 19th edition is also accompanied by a variety of high-quality supplements that help students master the subject and help instructors implement customized courses.

Supplements for Students and Instructors

Study Guide One of the world's leading experts on economic education, William Walstad of the University of Nebraska–Lincoln, prepared the *Study Guide*. Many students find either the printed or digital version indispensable. Each chapter contains an introductory statement, a checklist of behavioral objectives, an outline, a list of important terms, fill-in questions, problems and projects, objective questions, and discussion questions.

The *Guide* comprises a superb "portable tutor" for the principles student. Separate *Study Guides* are available for the macro and micro paperback editions of the text.

Instructor's Manual Laura Maghoney of Solano Community College revised and updated the Instructor's Manual, and Shawn Knabb of Western Washington University checked and brought the end-of-chapter questions, problems, and solutions to the Manual. The revised Instructor's Manual includes:

- Chapter summaries.
- Listings of "what's new" in each chapter.
- Teaching tips and suggestions.
- Learning objectives.
- · Chapter outlines.
- Extra questions and problems.
- Answers to the end-of-chapter questions and problems, plus correlation guides mapping content to the learning objectives.

The *Instructor's Manual* is available on the instructor's side of the Online Learning Center.

Three Test Banks Test Bank I contains about 6500 multiple-choice and true-false questions, most of which were written by the text authors. Randy Grant revised Test Bank I for the 19th edition. Test Bank II contains around 6000 multiple-choice and true-false questions, updated by Felix Kwan of Maryville University. All Test Bank I and II questions are organized by learning objective, topic, AACSB Assurance of Learning, and Bloom's Taxonomy guidelines. Test Bank III, written by William Walstad, contains more than 600 pages of short-answer questions and problems created in the

style of the book's end-of-chapter questions. Test Bank III can be used to construct student assignments or design essay and problem exams. Suggested answers to the essay and problem questions are included. In all, more than 14,000 questions give instructors maximum testing flexibility while ensuring the fullest possible text correlation.

Test Banks I and II are available in *Connect Economics*, through EZ Test Online, and in MS Word. EZ Test allows professors to create customized tests that contain both questions that they select from the test banks as well as questions that they craft themselves. Test Bank III is available in MS Word on the password-protected instructor's side of the Online Learning Center, and on the Instructor Resource CD.

PowerPoint Presentations With the assistance of Laura Maghoney, the PowerPoint Presentations for the 19th edition were updated by a dedicated team of instructors: Jill Beccaris-Pescatore of Montgomery County Community College, Stephanie Campbell of Mineral Area College, Amy Chataginer of Mississippi Gulf Coast Community College and Dorothy Siden of Salem State College. Each chapter is accompanied by a concise yet thorough tour of the key concepts. Instructors can use these Web-site presentations in the classroom, and students can use them on their computers.

Digital Image Library Every graph and table in the text is available on the instructor's side of the Web site and on the Instructor's Resource CD-ROM.

McGraw-Hill Connect Economics McGraw-Hill Connect Economics is an online assignment and assessment so-



lution that connects students with the tools and resources they'll need to achieve success. McGraw-Hill *Connect Economics* helps pre-

pare students for their future by enabling faster learning, more efficient studying, and higher retention of knowledge.

All of the end-of-chapter questions and problems, the thousands of questions from Test Banks I and II, and additional resources are available in *Connect Economics*. For more information on *Connect Economics* and other technology, please see pages xii–xix.

Online Learning Center (www.mcconnell19e. com) The Web site accompanying this book is a central resource for students and instructors alike. The optional Web Chapters (Chapter 11W: Technology, R&D, and Efficiency and Chapter 39W: The Economics of Developing Countries) plus the two new Content Options for Instructors (The United States in the Global Economy and Previous International Exchange-Rate Systems), are posted

as full-color PDF files. The in-text Web buttons alert the students to points in the book where they can springboard to the Web site to get more information. Students can also review PowerPoint presentations and test their knowledge of a chapter's concepts with a self-graded multiplechoice quiz. The password-protected Instructor Center houses the Instructor's Manual, all three Test Banks, and links to EZ Test Online, PowerPoint presentations, and the Digital Image Library.

Computerized Test Bank Online A comprehensive bank of test questions is provided within McGraw-Hill's flexible electronic testing program EZ Test Online (www. eztestonline.com). EZ Test Online allows instructors to simply and quickly create tests or quizzes for their students. Instructors can select questions from multiple McGraw-Hill test banks or author their own, and then either print the finalized test or quiz for paper distribution or publish it online for access via the Internet.

This user-friendly program allows instructors to sort questions by format; select questions by learning objectives or Bloom's taxonomy tags; edit existing questions or add new ones; and scramble questions for multiple versions of the same test. Instructors can export their tests for use in WebCT, Blackboard, and PageOut, making it easy to share assessment materials with colleagues, adjuncts, and TAs. Instant scoring and feedback is provided, and EZ Test Online's record book is designed to easily export to instructor gradebooks.

Assurance-of-Learning Ready Many educational institutions are focused on the notion of assurance of learning, an important element of some accreditation standards. Economics is designed to support your assurance-of-learning initiatives with a simple yet powerful solution. Each chapter in the book begins with a list of numbered learning objectives to which each end-of-chapter question and problem is then mapped. In this way, student responses to those questions and problems can be used to assess how well students are mastering each particular learning objective. Each test bank question for *Economics* also maps to a specific learning objective.

You can use our test bank software, EZ Test Online, or Connect Economics to easily query for learning outcomes and objectives that directly relate to the learning objectives for your course. You can then use the reporting features to aggregate student results in a similar fashion, making the collection and presentation of assurance-oflearning data simple and easy.

AACSB Statement The McGraw-Hill Companies is a proud corporate member of AACSB International. Understanding the importance and value of AACSB accreditation, *Economics*, 19th edition, has sought to recognize the

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This AACSB Statement for *Economics*, 19th edition, is provided only as a guide for the users of this text. The AACSB leaves content coverage and assessment within the purview of individual schools, their respective missions, and their respective faculty. While Economics, 19th edition, and the teaching package make no claim of any specific AACSB qualification or evaluation, we have, within *Eco*nomics, 19th edition, labeled selected questions according to the six general knowledge and skills areas.

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Brief Contents

PART ONE Introduction to Economics and the Economy 1 Limits, Alternatives, and Choices 2 The Market System and the Circular Flow 29 GDP, Growth, and Instability 20 An Introduction to Macroeconomics 47. 21 An Macroeconomics 47. 22 Measuring Domestic Output and National Income 48. 25 Economic Growth 50. 3 Demand, Supply, and Market Equilibrium 47 Lesticity 5 Market Failures: Public Goods and Externalities 48 The Aggregate Expenditures Model 59 Aggregate Demand and Aggregate Supply 58 The Aggregate Expenditures Model 60 Consumer Behavior 71 Businesses and the Costs of Production 81 Pure Competition in the Short Run 91 Pure Competition in the Long Run 10 Pure Monopoly 11 Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 11 Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 12 The Demand for Resource 12 The Demand for Resource 13 Wage Determination 14 Rent, Interest, and Profit 15 Natural Resource and Energy Economics 16 PART EIVE Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 18 Antitrust Policy and Regulation 37 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 37 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 37 Microeconomic Issues and Policies 38 PART ELEVEN Microeconomics of Government 39 Microeconomics of Government 30 Finance: Expenditures and Taxes 310 Microeconomics of Government 31 Microeconomics of Government 32 Microeconomics of Government 33 Microeconomics of Government 34 PART ELEVEN Microeconomics of Government 35 Microeconomics of Government 36 PART ELEVEN Microeconomics of Government 37 International Trade 38 The Economics of Developing Countries 39 W The Economics of Developing Countries 39 Wagge Determination 30 Finance: Expenditures and Taxes 310 Microeconomics of Developing Countries 310 Microeconomics of Developing Countries 32 Microeconomics of Developing Countries	Prefa	ce	xiv	20 21	Income Inequality, Poverty, and Discrimination Health Care	410 433
Introduction to Economics and the Economy 1 Limits, Alternatives, and Choices 2 The Market System and the Circular Flow 29 GDP, Growth, and Instability 23 An Introduction to Macroeconomics 472 24 Measuring Domestic Output and National Income 483 25 Economic Growth 500 3 Demand, Supply, and Market Equilibrium 47 26 Business Cycles, Unemployment, and Inflation 501 3 Demand, Supply, and Market Equilibrium 48 Elasticity 5 Market Failures: Public Goods and Externalities 5 Market Failures: Public Goods and Externalities 6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 163 9 Pure Competition in the Long Run 170 170 Pure Monopoly 171 Monopolistic Competition and Oligopoly 171 Monopolistic Competition and Oligopoly 171 Monopolistic Competition and Oligopoly 172 Aggregate Demand and Aggregate Supply 173 Aggregate Supply 174 Money, Banking, and Monetary Policy 175 Money, Banking, and Monetary Policy 176 Money, Banking, and Financial Institutions 176 Money Creation 177 Money Banking, and Financial Institutions 178 Money Banking, and Monetary Policy 179 Money Creation 179 PART FOUR 170 Money Banking, and Financial Institutions 170 Money Banking, and Monetary Policy 170 Money Creation 170 Money Banking, and Financial Institutions 170 Money Banking, and Monetary Policy 171 Money Banking, and Financial Institutions 170 Money Banking, and Financial Institutions 171 Money Banking, and Financial Institutions 172 Money Creation 173 Money Banking, and Financial Institutions 174 Money Banking, and Financial Institutions 175 Money Creation 176 Money Banking, and Financial Institutions 177 Money Banking, and Financial Institutions 178 Money Banking, and Monetary Policy 179 Money Ba	PAR1	ONE				454
The Market System and the Circular Flow 29 GDP, Growth, and Instability PART TWO 24 Measuring Domestic Output and National Income 488 Price, Quantity, and Efficiency 25 Economic Growth 25 Economic Growth 268 Beasticity 26 Business Cycles, Unemployment, and Inflation 528 PART THREE 27 Basic Macroeconomic Models and Fiscal Policy 27 Basic Macroeconomic Relationships 544 Bisinesses and the Costs of Product Markets 28 The Aggregate Expenditures Model 566 Consumer Behavior 116 29 Aggregate Expenditures Model 566 Consumer Behavior 116 29 Aggregate Expenditures Model 566 Businesses and the Costs of Production 140 30 Fiscal Policy, Deficits, and Debt 613 Pure Competition in the Short Run 163 Pure Competition in the Long Run 181 Monopolistic Competition and Oligopoly 216 31 Money, Banking, and Monetary Policy 32 Money Creation 658 Microeconomics of Resource Markets 248 Microeconomics of Resource Markets 248 The Demand for Resources 248 Microeconomics of Resource Markets 248 Microeconomics of Government 266 PART TEN Extensions and Issues 336 Wage Determination 266 PART TEN Extensions and Issues 336 The Aggregate Supply 716 Asymmetric Information, Voting, and Public Choice 357 Asymmetric Information, Voting, and Public Choice 357 PART SEVEN Microeconomic Issues and Policies 347 Microeconomic Issues and Policies 348 Microeconomic Issues and Policies 349 Microeconomic Issues and Poli	Intro	duction to Economics and the Economy			3	
The Market System and the Circular Flow 23 An Introduction to Macroeconomics 47 And Measuring Domestic Output and National Income 48 Price, Quantity, and Efficiency 3 Demand, Supply, and Market Equilibrium 47 Lelasticity 5 Market Failures: Public Goods and Externalities 92 PART THREE 48 An Introduction to Macroeconomics of Product Markets 6 Consumer Behavior 79 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 10 Pure Monopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 12 The Demand for Resource Markets 12 The Demand for Resource Markets 12 The Demand for Resource and Energy Economics 13 Wage Determination 26 35 Extending the Analysis of Aggregate Supply 76 Agymmetric Information, Voting, and Public Choice 77 Asymmetric Information, Voting, and Public Choice 78 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 27 Basic Macroeconomic Relationships 47 Businesse Cycles, Unemployment, and Institutions 48 Business Cycles, Unemployment, and Institutions 48 Business Cycles, Unemployment, and Inflation 48 Business Cycles, Unemployment, and Inflation 49 Part EIGHT Macroeconomic Models and Fiscal Policy 40 Business Cycles, Unemployment, and Inflation 40 Business Cycles, Unemployment, and Inflation 42 Business Cycles Unemployment, and Inflation 42 Business Cycles Unemployment, and Inflation 43 Part Eleven 44 Eleven International Institutions 45 Business Cycles Unemployment, and Inflation 45 Business Cycles Unemployment, and Infla		•	.3	PART	T SEVEN	
PART TWO Price, Quantity, and Efficiency 3 Demand, Supply, and Market Equilibrium 47 Elasticity 5 Market Failures: Public Goods and Externalities 92 PART THREE 93 Basic Macroeconomic Models and Fiscal Policy 94 Elasticity 95 Basic Macroeconomic Models and Fiscal Policy 96 Consumer Behavior 97 Businesses and the Costs of Production 98 Pure Competition in the Short Run 99 Pure Competition in the Short Run 99 Pure Competition in the Long Run 110 Pure Monopolly 110 Monopolistic Competition and Oligopoly 1110 Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell 19e.com) 121 The Demand for Resources 122 The Demand for Resources 133 Wage Determination 126 35 Extending the Analysis of Aggregate Supply 136 The Ragnery Economics 137 International Economics 138 The Balance of Payments, Exchange Rates, and Trade Deficits 139 PART SIX 130 Microeconomic Issues and Policies 130 Microeconomic Issues and Policies 131 The Demand for Resources 132 PART ELEVEN 110 International Economics 134 The Balance of Payments, Exchange Rates, and Trade Deficits 139 The Economics of Developing Countries 130 Wage CHAPTER, www.mcconnell 19e.com) 131 Microeconomics of Government 130 PART SIX 131 Money Balance of Payments, Exchange Rates, and Trade Deficits 133 The Balance of Payments, Exchange Rates, and Trade Deficits 139 The Economics of Developing Countries 130 Wage CHAPTER, www.mcconnell 19e.com) 131 Microeconomics of Developing Countries 132 Microeconomics of Developing Countries 134 Microeconomics of Developing Countries 135 Microeconomics of Developing Countries 136 Antitrust Policy and Regulation 137 Antitr				GDP,	Growth, and Instability	
Price, Quantity, and Efficiency 3 Demand, Supply, and Market Equilibrium 4 Elasticity 5 Market Failures: Public Goods and Externalities 92 PART EIGHT Macroeconomic Models and Fiscal Policy PART THREE 27 Basic Macroeconomic Relationships 8 Demand, Supply, and Market Equilibrium 8 PART THREE 28 The Aggregate Expenditures Model 8 Consumer Behavior 9 Pare Competition in the Short Run 9 Pure Competition in the Long Run 163 9 Pure Competition in the Long Run 181 PART NINE 101 Pure Monopoly 102 Money, Banking, and Monetary Policy 111 Monopolistic Competition and Oligopoly 112 Money, Banking, and Financial Institutions 112 The Demand for Resource 123 Money Creation 124 Financial Economics 125 Economic Growth 156 Businesse Succes (Verence) 156 Businesse Succes (Verence) 157 Businesses Under Succes 158 Asymmetric Information, Voting, and Public Choice 159 Businesse Succes 150 Businesse Cycles, Unemployment, and Inflation 150 Businesse Succes (Verence) 150 Businesse Succes (Verence) 160 Businesse Cycles, Unemployment, and Inflation 150 Businesse Cycles 150 Businesse Cycl		,		23	An Introduction to Macroeconomics	472
3 Demand, Supply, and Market Equilibrium 47 Elasticity 75 4 Elasticity 75 5 Market Failures: Public Goods and Externalities 92 PART EIGHT Macroeconomic Models and Fiscal Policy PART THREE 27 Basic Macroeconomic Relationships 544 Microeconomics of Product Markets 28 The Aggregate Expenditures Model 566 Consumer Behavior 1/6 29 Aggregate Demand and Aggregate Supply 588 Businesses and the Costs of Production 1/40 30 Fiscal Policy, Deficits, and Debt 6/12 Pure Competition in the Long Run 1/81 Pure Competition in the Long Run 1/81 Money, Banking, and Monetary Policy 1/94 Money, Banking, and Financial Institutions 6/32 Money Creation 6/33 Interest Rates and Monetary Policy 6/74 Microeconomics of Resource Markets 13 Wage Determination 266 13 Wage Determination 266 Rent, Interest, and Profit 293 PART FIVE Microeconomics of Government 16 Public Finance: Expenditures and Taxes 3/36 Asymmetric Information, Voting, and Public Choice 3/37 International Economics of Payments, Exchange Rates, and Trade Deficits 7/86 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 3/4 Glossary 6/10 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 3/4 Glossary 6/10 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 3/4 Glossary 6/10 Agreement 1/7 Agrand Inflation 1/7 Agrand Inflation 1/7 Agrand 1/7 Agrand Regulation 3/4 Glossary 6/10 Agreement 1/7 Agrand Inflation 1/7 Agrand Inflation 1/7 Agrand 1/7 Agrand Regulation 3/4 Glossary 6/10 Agreement 1/7 Agrand Inflation 1/7 Agrand	PAR ¹	TWO		24	Measuring Domestic Output and National Income	485
## Elasticity 75	Price	, Quantity, and Efficiency		25	Economic Growth	505
4 Elasticity 5 Market Failures: Public Goods and Externalities 92 PART EIGHT Macroeconomic Models and Fiscal Policy PART THREE 27 Basic Macroeconomic Relationships 544 Microeconomics of Product Markets 28 The Aggregate Expenditures Model 6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 163 9 Pure Competition in the Long Run 181 10 Pure Monopoly 194 Money, Banking, and Monetary Policy 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 12 Money, Banking, and Financial Institutions 13 Mage CHAPTER, www.mcconnell19e.com) 14 Rent, Interest, and Profit 13 Wage Determination 266 13 Wage Determination 266 27 Basic Macroeconomics 28 The Aggregate Expenditures Model 29 Aggregate Demand and Aggregate Supply 30 Fiscal Policy, Deficits, and Debt 61 61 61 61 61 61 61 61 61 61 61 61 61	3	Demand, Supply, and Market Equilibrium	47	26	Business Cycles, Unemployment, and Inflation	526
Macroeconomic Models and Fiscal Policy PART THREE 27 Basic Macroeconomic Relationships 544 Microeconomics of Product Markets 28 The Aggregate Expenditures Model 56 6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 163 9 Pure Competition and Oligopoly 194 Money, Banking, and Monetary Policy 11 Monopolistic Competition and Oligopoly 216 31 Money, Banking, and Financial Institutions 630 31 Interest Rates and Monetary Policy 32 Money Creation (WEB CHAPTER, www.mcconnell19e.com) 467 37 Financial Economics 47 Financial Economics 48 Financial Economics 49 PART TEN 40 PART TEN 41 Rent, Interest, and Profit 41 Rent, Interest, and Profit 42 PART ELEVEN 43 International Economics 46 PART ELEVEN 47 PART ELEVEN 48 International Trade 48 The Balance of Payments, Exchange Rates, and Trade Deficits 49 PART ELEVEN 40 PART ELEVEN 40 PART ELEVEN 40 PART ELEVEN 41 Part and Policies 40 PART ELEVEN 41 PART ELEVEN 42 PART ELEVEN 43 PART ELEVEN 44 Part International Trade 45 PART ELEVEN 56 PART ELEVEN 57 PART ELEVEN 58 PART ELEVEN 58 PART ELEVEN 59 PART ELEVEN 50 PART	4		75			
PART THREE Microeconomics of Product Markets 6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 181 10 Pure Monopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 12 Money, Banking, and Monetary Policy 11 Monopolistic Competition and Oligopoly 12 Money, Banking, and Financial Institutions 32 Money Creation (WEB CHAPTER, www.mcconnell19e.com) 246 35 Extensions and Issues 17 Natural Resource and Energy Economics Microeconomics of Government 18 Asymmetric Information, Voting, and Pollic Choice PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Mage Chapter, www.mcconnell19e.com) 48 The Aggregate Expenditures Model 56 The Aggregate Expenditures Model 56 The Aggregate Expenditures And Debt 576 58 The Aggregate Expenditures Model 58 The Aggregate Expenditures And Debt 58 78 The Aggregate Expenditures And Debt 58 78 The Aggregate Expenditures And Debt 58 78 The Balance of Payments, Exchange Rates, and Trade Deficits 78 The Economics of Developing Countries 79 The Economics of	5	Market Failures: Public Goods and Externalities	92	PART	TEIGHT	
Microeconomics of Product Markets 6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 181 PART NINE 10 Pure Monopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 12 Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 13 Wage Determination 14 Rent, Interest, and Profit 15 Natural Resource and Energy Economics 16 Public Finance: Expenditures Model 28 The Aggregate Expenditures Model 29 Aggregate Demand and Aggregate Supply 30 Fiscal Policy, Deficits, and Debt 43 PART NINE 44 Money, Banking, and Monetary Policy 45 Money, Banking, and Monetary Policy 46 Money, Banking, and Monetary Policy 47 Money, Banking, and Monetary Policy 48 Financial Economics 49 PART TEN 40 PART TEN 50 Current Issues and Monetary Policy 51 Extensions and Issues 52 Extensions and Issues 53 Extending the Analysis of Aggregate Supply 54 Current Issues in Macro Theory and Policy 75 Asymmetric Information, Voting, and Public Choice 75 PART ELEVEN International Economics 76 International Trade 77 Asymmetric Information, Voting, and Public Choice 78 The Balance of Paveloping Countries 78 (WEB CHAPTER, www.mcconnell19e.com) 78 Microeconomic Issues and Policies 78 Microeconomic Issues and Policies 78 Antitrust Policy and Regulation 37 Glossary 38 Olossary				Macr	oeconomic Models and Fiscal Policy	
6 Consumer Behavior 7 Businesses and the Costs of Production 8 Pure Competition in the Short Run 9 Pure Competition in the Long Run 181 10 Pure Monopoly 11 Monopolistic Competition and Oligopoly 12 Money, Banking, and Monetary Policy 11 Monopolistic Competition and Oligopoly 12 Money, Banking, and Financial Institutions 13 Money, Banking, and Financial Institutions 14 Financial Economics 15 PART TOUR 16 PART TEN 17 Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 18 PART TEN 18 Extensions and Issues 19 PART TEN 19 Extensions and Issues 10 PART TEN 10 PART TEN 10 PART TEN 11 Money, Banking, and Monetary Policy 12 Money Creation 13 Money Creation 14 Financial Economics 15 Extensions and Issues 16 PART ELEVEN 15 Natural Resource and Energy Economics 17 Asymmetric Information, Voting, and Public Choice 18 Antitrust Policy and Regulation 18 Aggregate Demand and Aggregate Supply 16 Fiscal Policy, Deficits, and Debt 18 Aggregate Demand and Aggregate Supply 16 PART TINE 18 Antitrust Policy and Regulation 18 Aggregate Demand and Paley 18 Aggregate Demand Angergate Supply 19 Aggregate Supply 216 Aggregate Supply 217 Aggregate Supply 218 Auritanian Institutions 22 Amoney Creation 23 Interest Rates and Monetary Policy 24 Aggregate Supply 24 Aggregate Supply 25 Aggregate Supply 26 Aggregate Supply 27 Aggregate Supply 27 Aggregate Supply 27 Aggregate Supply 27 Aggregate Supply 28 Aggregate Supply 29 Aggregate Supply 20 Aggregate Supply 20 Aggregate Supply 21 Aggregate Supply 21 Aggregate Supply 21 Aggregate Supply 22 Aggregate Supply 23 Aggregate Supply 24 Extensions and Issues 24 Extensions and Issues 25 Extensions and Issues 26 Aggregate Demand Angregate Supply 26 Aggregate Supply 27 Aggregate Supply 27 Aggregate Supply 28 Aggregate Supply 29 Aggregate Supply 20 Aggregate Supply 21 Aggregate Supply 21 Aggregate Supply 21 Aggregate S	PAR ¹	THREE		27	Basic Macroeconomic Relationships	547
7 Businesses and the Costs of Production 140 30 Fiscal Policy, Deficits, and Debt 613 8 Pure Competition in the Short Run 163 9 Pure Competition in the Long Run 181 PART NINE 10 Pure Monopoly 194 Money, Banking, and Monetary Policy 11 Monopolistic Competition and Oligopoly 216 31 Money, Banking, and Financial Institutions 636 11w Technology, R&D, and Efficiency 32 Money Creation 651 (web Chapter, www.mcconnell19e.com) 246 33 Interest Rates and Monetary Policy 676 (web Chapter, www.mcconnell19e.com) 246 34 Financial Economics 697 PART FOUR Microeconomics of Resource Markets PART TEN 12 The Demand for Resources 248 Extensions and Issues 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 717 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 737 15 Natural Resource and Energy Economics 312 PART ELEVEN International Economics Microeconomics of Government 37 International Trade 756 Microeconomics of Government 37 International Trade 756 16 Public Finance: Expenditures and Taxes 336 38 The Balance of Payments, Exchange Rates, and Trade Deficits 780 39w The Economics of Developing Countries (Web Chapter, www.mcconnell19e.com) 80 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary 60	Micr	oeconomics of Product Markets		28	The Aggregate Expenditures Model	567
Business and the Short Run 163 Pure Competition in the Short Run 181 Pure Competition in the Long Run 181 Pure Monopoly 194 Money, Banking, and Monetary Policy In Monopolistic Competition and Oligopoly 216 In Monopolistic Competition and Oligopoly 216 In Money, Banking, and Monetary Policy 32 Money Creation 653 Money Creation 653 Money Creation 653 Interest Rates and Monetary Policy 670 Intere	6	Consumer Behavior	116	29	Aggregate Demand and Aggregate Supply	589
9 Pure Competition in the Long Run 10 Pure Monopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 11 Monopolistic Competition and Oligopoly 12 Jeb 31 Money, Banking, and Financial Institutions 32 Money Creation 32 Money Creation 33 Interest Rates and Monetary Policy 34 Financial Economics 34 Financial Economics 35 Extending the Analysis of Aggregate Supply 36 Current Issues in Macro Theory and Policy 37 Asymmetric Information, Voting, and Public Choice 357 48 PART SIX 48 PART SIX 48 PART SIX 48 PART SIX 59 PART SIX 50 PART NINE 50 Money, Banking, and Monetary Policy 31 Money, Banking, and Monetary Policy 31 Money, Banking, and Monetary Policy 32 Money Creation 53 PART SIX 50 PART TEN 50 PART TEN 50 PART TEN 50 PART TEN 50 PART SIX 50 PART SIX 51 PART SIX 52 PART SIX 53 PART SIX 54 PART ELEVEN 55 PART SIX 56 PART SIX 57 PART ELEVEN 57 PART ELEVEN 58 PART SIX 58 PART SIX 59 PART ELEVEN 50 PART ELEVEN 50 PART ELEVEN 50 PART ELEVEN 51 PART ELEVEN 51 PART SIX 50 PART SIX 51 PART SIX 52 PART SIX 53 PART SIX 54 PART ELEVEN 55 PART SIX 56 PART SIX 57 PART ELEVEN 57 PART ELEVEN 57 PART ELEVEN 58 PART SIX 59 PART ELEVEN 50 PART ELEVEN 50 PART ELEVEN 50 PART ELEVEN 51 PART ELEVEN 51 PART ELEVEN 51 PART ELEVEN 52 PART ELEVEN 53 PART ELEVEN 54 PART ELEVEN 55 PART ELEVEN 56 PART ELEVEN 57 PART ELEVEN 57 PART ELEVEN 58 PART ELEVEN 58 PART ELEVEN 59 PART ELEVEN 50 PART ELEVEN 51 PART ELEVEN 51 PART ELEVEN 52 PART ELEVEN 53 PART ELEVEN 54 PART ELEVEN 55 PART ELEVEN 56 PART ELEVEN 57 PART ELEVEN 58 PART ELEVEN 59 PART ELEVEN 50 PART EL	7	Businesses and the Costs of Production	140	30	Fiscal Policy, Deficits, and Debt	613
PART FOUR Microeconomics of Government Natural Resource and Energy Economics Microeconomics of Government PART FIVE Microeconomics of Government Asymmetric Information, Voting, and Public Choice 357 Asymmetric Information, Voting, and Public Choice 374 Money, Banking, and Monetary Policy 31 Money, Banking, and Financial Institutions 32 Money Creation 33 Interest Rates and Monetary Policy 34 Financial Economics 46 35 Extensions and Issues 36 Current Issues in Macro Theory and Policy 73 74 75 76 77 78 78 78 78 78 78 78 78	8	Pure Competition in the Short Run	163			
11 Monopolistic Competition and Oligopoly 216 31 Money, Banking, and Financial Institutions 636 11w Technology, R&-D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 246 33 Interest Rates and Monetary Policy 34 Financial Economics 657 34 Financial Economics 678 35 Extensions and Issues 12 The Demand for Resources 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 15 Natural Resource and Energy Economics 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 18 Antitrust Policy and Regulation 374 Glossary 636 38 The Balance of Payments, Exchange Rates, and Trade Deficits 786 39w The Economics of Developing Countries (WEB CHAPTER, www.mcconnell19e.com) 805 807 807 807 807 807 807 807 807 807 807	9	Pure Competition in the Long Run	181	PART	NINE	
11w Technology, R&D, and Efficiency (WEB CHAPTER, www.mcconnell19e.com) 246 33 Interest Rates and Monetary Policy 34 Financial Economics 696 PART FOUR Microeconomics of Resource Markets 12 The Demand for Resources 248 Extensions and Issues 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 766 Natural Resource and Energy Economics 17 Natural Resource Expenditures and Taxes 336 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary 30 Glossary 31 Money Creation 365 35 36 Interest Rates and Monetary Policy 477 477 478 479 479 479 479 479 479 479 479 479 479	10	Pure Monopoly	194	Mon	ey, Banking, and Monetary Policy	
(WEB CHAPTER, www.mcconnell19e.com) 246 33 Interest Rates and Monetary Policy 34 Financial Economics 699 PART FOUR Microeconomics of Resource Markets PART TEN 12 The Demand for Resources 248 Extensions and Issues 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 737 15 Natural Resource and Energy Economics 312 PART ELEVEN International Economics Microeconomics of Government 37 International Trade 37 International Trade 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries (WEB CHAPTER, www.mcconnell19e.com) 800 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary	11	Monopolistic Competition and Oligopoly	216	31	Money, Banking, and Financial Institutions	636
PART FOUR Microeconomics of Resource Markets 12 The Demand for Resources 13 Wage Determination 14 Rent, Interest, and Profit 15 Natural Resource and Energy Economics 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 34 Financial Economics PART TEN Extensions and Issues 248 Extensions and Issues 250 Current Issues in Macro Theory and Policy 273 The Part ELEVEN International Economics 37 International Trade 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries (WEB CHAPTER, www.mcconnell 19e.com) 805 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary	11w			32		655
PART FOUR Microeconomics of Resource Markets 12 The Demand for Resources 13 Wage Determination 14 Rent, Interest, and Profit 15 Natural Resource and Energy Economics 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies PART SIX PART TEN Extensions and Issues Extending the Analysis of Aggregate Supply 717 728 739 740 754 754 754 755 756 756 756 757 757 757 757 757 757		(WEB CHAPTER, www.mcconnell19e.com)	246	33	Interest Rates and Monetary Policy	670
Microeconomics of Resource Markets 12 The Demand for Resources 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 15 Natural Resource and Energy Economics 312 PART ELEVEN International Economics Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies Natural Resource Markets 248 Extensions and Issues 250 Extending the Analysis of Aggregate Supply 270 Aggregate Supply 271 Aggregate Supply 272 Aggregate Supply 273 Aggregate Supply 273 Aggregate Supply 274 Aggregate Supply 275 Aggregate Supply 276 Aggregate Supply 277 Aggregate Supply 277 Aggregate Supply 278 Aggregate Supply 279 Aggregate Supply 279 Aggregate Supply 270 Ag	D 4 D	FOUR		34	Financial Economics	697
The Demand for Resources 248 Extensions and Issues 13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 15 Natural Resource and Energy Economics 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 248 Extensions and Issues 35 Extending the Analysis of Aggregate Supply 717 72 737 737 737 737 737 737 737 737 737						
13 Wage Determination 266 35 Extending the Analysis of Aggregate Supply 717 14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 737 15 Natural Resource and Energy Economics 312 PART ELEVEN International Economics Microeconomics of Government 37 International Trade 75 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary Glossary						
14 Rent, Interest, and Profit 293 36 Current Issues in Macro Theory and Policy 737 15 Natural Resource and Energy Economics 312 PART ELEVEN International Economics 37 International Trade 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries (WEB CHAPTER, www.mcconnell19e.com) 800 Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary			_	Exte	nsions and Issues	
PART FIVE Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation PART ELEVEN International Economics 37 International Trade 754 38 The Balance of Payments, Exchange Rates, and Trade Deficits 780 39w The Economics of Developing Countries (WEB CHAPTER, WWW.mcconnell19e.com) 800 801 Glossary						717
PART FIVE Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART ELEVEN International Economics 37 International Trade 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries (WEB CHAPTER, WWW.mcconnell19e.com) Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary				36	Current Issues in Macro Theory and Policy	737
PART FIVE Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation International Economics 37 International Trade 754 38 The Balance of Payments, Exchange Rates, and Trade Deficits 780 39w The Economics of Developing Countries (WEB CHAPTER, WWW.mcconnell19e.com) 800 Glossary Glossary	15	Natural Resource and Energy Economics	312			
Microeconomics of Government 16 Public Finance: Expenditures and Taxes 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 37 International Economics 38 The Balance of Payments, Exchange Rates, and Trade Deficits 39w The Economics of Developing Countries (WEB CHAPTER, www.mcconnell19e.com) 80. Glossary	DA DI	F EIVE				
16 Public Finance: Expenditures and Taxes 336 17 Asymmetric Information, Voting, and Public Choice 357 PART SIX Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Microeconomic Issues and Regulation 374 Microeconomic Issues and Regulation 374 Glossary The Balance of Payments, Exchange Rates, and Trade Deficits 786 Web Chapter, www.mcconnell19e.com) 806 Glossary				Inter	national Economics	
17 Asymmetric Information, Voting, and Public Choice 357 39w The Economics of Developing Countries (WEB CHAPTER, WWW.mcconnell19e.com) 80. Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary			22.4	37	International Trade	754
PART SIX The Economics of Developing Countries (WEB CHAPTER, WWW.mcconnell19e.com) 80. Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary				38		700
PART SIX (WEB CHAPTER, www.mcconnell19e.com) 80. Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary Company C	17	Asymmetric Information, Voting, and Public Choice	357	20		780
Microeconomic Issues and Policies 18 Antitrust Policy and Regulation 374 Glossary C	PAR1	r six		39W		801
18 Antitrust Policy and Regulation 374 Glossary					·	
			374		Glossary	G
Agriculture: Economics and Folicy 391 index 11VL	19	Agriculture: Economics and Policy	391		Index	IND

Contents

List of Ney Graphs	XIII
Preface	xiv
Reviewers	xxiv
PART ONE	
Introduction to Economics and the Economy	1
To the Student	2
Chapter 1	
Limits, Alternatives, and Choices	3
The Economic Perspective Scarcity and Choice / Purposeful Behavior / Marginal Analysis: Comparing Benefits and Costs Consider This: Free for All? 4 Consider This: Fast-Food Lines 5	4
Theories, Principles, and Models	5
Microeconomics and Macroeconomics Microeconomics / Macroeconomics / Positive and Normative Economics	6
Individual's Economizing Problem Limited Income / Unlimited Wants / A Budget Line Consider This: Did Gates, Winfrey, and Rodriguez Make Bad Choices? 9	7
Society's Economizing Problem Scarce Resources / Resource Categories	10
Production Possibilities Model Production Possibilities Table / Production Possibilities Curve / Law of Increasing Opportunity Costs / Optimal Allocation Consider This: The Economics of War 14	11
Unemployment, Growth, and the Future A Growing Economy / Present Choices and Future Possibilities / A Qualification: International Trade Last Word: Pitfalls to Sound Economic Reasoning 16	14
Chapter 1 Appendix: Graphs and Their Meaning	22
Chapter 2	
The Market System and the Circular Flow	29
Economic Systems The Command System / The Market System	30
Characteristics of the Market System Private Property / Freedom of Enterprise and Choice / Self-Interest / Competition / Markets and Prices / Technology and Capital Goods / Specialization / Use of Money / Active, but Limited, Government	30
Five Fundamental Questions What Will Be Produced? / How Will the Goods and Services Be Produced? / Who Will Get the Output? / How Will the System Accommodate Change? / How Will the System Promote Progress?	34
Consider This: McHits and McMisses 35 The "Invisible Hand"	38
	00

The Demise of the Command Systems	38	Chapter 5	
The Coordination Problem / The Incentive Problem Consider This: The Two Koreas 39		Market Failures: Public Goods and Externalities	s 92
The Circular Flow Model Households / Businesses / Product Market / Resource Market	40	Market Failures in Competitive Markets Demand-Side Market Failures / Supply-Side Market Failures	93
Last Word: Shuffling the Deck 42		Efficiently Functioning Markets Consumer Surplus / Producer Surplus / Efficiency Revisited / Efficiency Losses (or Deadweight Losses)	93
PART TWO		Public Goods	99
Price, Quantity, and Efficiency	46	Private Goods Characteristics / Public Goods Characteristics / Optimal Quantity of a Public Good / Demand for Public Goods / Comparing MB and MC / Cost-Benefit Analysis / Quasi-Public Goods /	
Chapter 3		The Reallocation Process	
Demand, Supply, and Market Equilibrium	47	Consider This: Street Entertainers 100 Consider This: Art for Art's Sake 101	
Markets	48	Externalities	104
Demand Law of Demand / The Demand Curve / Market Demand / Changes in Demand / Changes in Quantity Demanded	48	Negative Externalities / Positive Externalities / Government Intervention / Society's Optimal Amount of Externality Reduction Consider This: The Fable of the Bees 106	
Supply Law of Supply / The Supply Curve / Market Supply / Determinants of Supply / Changes in Supply / Changes in Quantity Supplied	53	Government's Role in the Economy Last Word: Carbon Dioxide Emissions, Cap and Trade, and Carbon Taxes 110	109
Market Equilibrium	56		
Equilibrium Price and Quantity / Rationing Function of Prices / Efficient Allocation / Changes in Supply, Demand,		PART THREE	
and Equilibrium Consider This: Ticket Scalping: A Bum Rap! 58 Consider This: Salsa and Coffee Beans 61		Microeconomics of Product Markets	115
Application: Government-Set Prices	61	Chapter 6 Consumer Behavior	11/
Price Ceilings on Gasoline / Rent Controls / Price Floors on Wheat Last Word: A Legal Market for Human Organs? 62		Law of Diminishing Marginal Utility	116 117
Chapter 3 Appendix: Additional Examples of Supply and Demand	69	Terminology / Total Utility and Marginal Utility / Marginal Utility and Demand Consider This: Vending Machines and Marginal Utility 117	
,		Theory of Consumer Behavior	118
Chapter 4 Elasticity	75	Consumer Choice and the Budget Constraint / Utility-Maximizing Rule / Numerical Example / Algebraic Generalization	
Price Elasticity of Demand	76	Utility Maximization and the Demand Curve	122
The Price-Elasticity Coefficient and Formula / Interpretations of E_d / The Total-Revenue Test / Price	70	Deriving the Demand Schedule and Curve / Income and Substitution Effects	
Elasticity and the Total-Revenue Curve / Determinants of Price Elasticity of Demand / Applications of Price Elasticity of Demand Consider This: A Bit of a Stretch 78		Applications and Extensions iPods / The Diamond-Water Paradox / Opportunity Cost and the Value of Time / Medical Care Purchases / Cash and Noncash Gifts	123
Price Elasticity of Supply Price Elasticity of Supply: The Market Period / Price Elasticity of Supply: The Short Run / Price Elasticity of Supply: The Long Run / Applications of Price Elasticity of Supply	84	Prospect Theory Losses and Shrinking Packages / Framing Effects and Advertising / Anchoring and Credit Card Bills / Mental Accounting and Overpriced Warranties / The Endowment Effect and Market Transactions	125
Cross Elasticity and Income Elasticity of Demand Cross Elasticity of Demand / Income Elasticity of Demand	87	Consider This: Rising Consumption and the Hedonic Treadmill 126 Last Word: Nudging People Toward Better Decisions 128	
Last Word: Elasticity and Pricing Power: Why Different Consumers Pay Different Prices 86		Chapter 6 Appendix: Indifference Curve Analysis	133

			Contents
Chapter 7		Technological Advance and Competition	189
Businesses and the Costs of Production	140	Creative Destruction Consider This: Running a Company Is Hard Business 190	
Economic Costs Explicit and Implicit Costs / Accounting Profit and Normal Profit / Economic Profit / Short Run and Long Run	141	Last Word: Efficiency Gains from Entry: The Case of Generic Drugs 191	
Short-Run Production Relationships	144	Chapter 10	
Law of Diminishing Returns Consider This: Diminishing Returns from Study 144		Pure Monopoly	194
Short-Run Production Costs Fixed, Variable, and Total Costs / Per-Unit, or Average, Costs / Marginal Cost / Shifts of the Cost Curves	147	An Introduction to Pure Monopoly Examples of Monopoly / Dual Objectives of the Study of Monopoly	195
Long-Run Production Costs Firm Size and Costs / The Long-Run Cost Curve / Economies and Diseconomies of Scale / Minimum Efficient Scale and Industry Structure	152	Barriers to Entry Economies of Scale / Legal Barriers to Entry: Patents and Licenses / Ownership or Control of Essential Resources / Pricing and Other Strategic Barriers to Entry	195
Applications and Illustrations Rising Gasoline Prices / Successful Start-Up Firms / The Verson Stamping Machine / The Daily Newspaper / Aircraft and Concrete Plants	157	Monopoly Demand Marginal Revenue Is Less Than Price / The Monopolist Is a Price Maker / The Monopolist Sets Prices in the Elastic Region of Demand	197
Last Word: Don't Cry over Sunk Costs 158 Chapter 8		Output and Price Determination Cost Data / MR = MC Rule / No Monopoly Supply Curve / Misconceptions Concerning Monopoly Pricing /	200
Pure Competition in the Short Run	163	Possibility of Losses by Monopolist	
Four Market Models Pure Competition: Characteristics and	164	Economic Effects of Monopoly Price, Output, and Efficiency / Income Transfer / Cost Complications / Assessment and Policy Options	203
Occurrence Demand as Seen by a Purely Competitive Seller Perfectly Elastic Demand / Average, Total, and Marginal Revenue	164 165	Price Discrimination Conditions / Examples of Price Discrimination / Graphical Analysis Consider This: Price Discrimination at the Ballpark 208	207
Profit Maximization in the Short Run: Total-Revenue—Total-Cost Approach Profit Maximization in the Short Run: Marginal-Revenue—Marginal-Cost Approach Profit-Maximizing Case / Loss-Minimizing Case /	166 167	Regulated Monopoly Socially Optimal Price: P = MC / Fair-Return Price: P = ATC / Dilemma of Regulation Last Word: De Beers Diamonds: Are Monopolies Forever? 212	209
Shutdown Case		Chapter 11	
Consider This: The Still There Motel 173 Marginal Cost and Short-Run Supply	173	Monopolistic Competition and Oligopoly	216
Generalized Depiction / Diminishing Returns, Production Costs, and Product Supply / Changes in Supply / Firm and Industry: Equilibrium Price Last Word: Fixed Costs: Digging Yourself Out of a Hole 177		Monopolistic Competition Relatively Large Number of Sellers / Differentiated Products / Easy Entry and Exit / Advertising / Monopolistically Competitive Industries	216
Chapter 9		Price and Output in Monopolistic Competition	219
Pure Competition in the Long Run	181	The Firm's Demand Curve / The Short Run: Profit or Loss / The Long Run: Only a Normal Profit	
The Long Run in Pure Competition Profit Maximization in the Long Run / Goal of Our Analysis / Long-Run Equilibrium / Long-Run Supply for a	182	Monopolistic Competition and Efficiency Neither Productive nor Allocative Efficiency / Excess Capacity	221
Constant-Cost Industry / Long-Run Supply for an Increasing- Cost Industry / Long-Run Supply for a Decreasing-Cost		Product Variety Benefits of Product Variety / Further Complexity	222
Pure Competition and Efficiency Productive Efficiency: P = Minimum ATC / Allocative	186	Oligopoly A Few Large Producers / Homogeneous or Differentiated Products / Control over Price, but Mutual Interdependence	223

Entry Barriers / Mergers / Oligopolistic Industries

Consider This: Creative Strategic Behavior 224

Efficiency: P = MC / Maximum Consumer and Producer

Surplus / Dynamic Adjustments / "Invisible Hand" Revisited

Contents			
Oligopoly Behavior: A Game Theory Overview Mutual Interdependence Revisited / Collusion / Incentive to Cheat	226	Resource Demand under Imperfect Product Market Competition / Market Demand for a Resource Consider This: Superstars 253	
Consider This: The Prisoner's Dilemma 227 Three Oligopoly Models Kinked-Demand Theory: Noncollusive Oligopoly / Cartels and Other Collusion / Price Leadership Model	228	Determinants of Resource Demand Changes in Product Demand / Changes in Productivity / Changes in the Prices of Other Resources / Occupational Employment Trends	253
Oligopoly and Advertising Positive Effects of Advertising / Potential Negative	234	Elasticity of Resource Demand Optimal Combination of Resources	256 258
Effects of Advertising Oligopoly and Efficiency	235	The Least-Cost Rule / The Profit-Maximizing Rule / Numerical Illustration	230
Productive and Allocative Efficiency / Qualifications Last Word: Oligopoly in the Beer Industry 236	233	Marginal Productivity Theory of Income Distribution	260
Chapter 11 Appendix: Additional Game Theory Applications	241	Last Word: Input Substitution: The Case of ATMs 261	
		Chapter 13	
WEB Chapter 11 www.mcconnell		Wage Determination	266
Technology, R&D, and Efficiency	246	Labor, Wages, and Earnings	267
Invention, Innovation, and Diffusion Invention / Innovation / Diffusion / R&D Expenditures / Modern View of Technological Advance	11W-2	General Level of Wages Role of Productivity / Real Wages and Productivity / Long-Run Trend of Real Wages	267
Role of Entrepreneurs and Other Innovators Forming Start-Ups / Innovating within Existing Firms / Anticipating the Future / Exploiting University and	11W-4	A Purely Competitive Labor Market Market Demand for Labor / Market Supply of Labor / Labor Market Equilibrium	269
Government Scientific Research A Firm's Optimal Amount of R&D Interest-Rate Cost of Funds / Expected Rate of Return / Optimal R&D Expenditures	11W-5	Monopsony Model Upsloping Labor Supply to Firm / MRC Higher Than the Wage Rate / Equilibrium Wage and Employment / Examples of Monopsony Power	271
Increased Profit via Innovation Increased Revenue via Product Innovation / Reduced Cost via Process Innovation	11W-8	Three Union Models Demand-Enhancement Model / Exclusive or Craft Union Model / Inclusive or Industrial Union Model / Wage	273
Imitation and R&D Incentives Benefits of Being First Consider This: Trade Secrets 1 W-12	11W-10	Increases and Job Loss Bilateral Monopoly Model Indeterminate Outcome of Bilateral Monopoly /	275
Role of Market Structure Market Structure and Technological Advance / Inverted-U Theory of R&D / Market Structure and Technological Advance: The Evidence	11W-13	Desirability of Bilateral Monopoly The Minimum-Wage Controversy Case against the Minimum Wage / Case for the Minimum Wage / Evidence and Conclusions	276
Technological Advance and Efficiency Productive Efficiency / Allocative Efficiency / Creative Destruction Last Word: On the Path to the Personal	11W-15	Wage Differentials Marginal Revenue Productivity / Noncompeting Groups / Compensating Differences / Market Imperfections Consider This: My Entire Life 280	277
Computer and Internet 11W-16 PART FOUR		Pay for Performance The Principal-Agent Problem Revisited / Addenda: Negative Side Effects of Pay for Performance	281
Microeconomics of Resource Markets	247	Last Word: Are Chief Executive Officers (CEOs) Overpaid? 283 Chapter 13 Appendix: Labor Lipions and Their	
Chapter 12		Chapter 13 Appendix: Labor Unions and Their Impacts	287
The Demand for Resources	248	Chapter 14	
Significance of Resource Pricing	249	Rent, Interest, and Profit	293

249

Economic Rent

Perfectly Inelastic Supply / Equilibrium Rent and Changes in

Demand / Productivity Differences and Rent

Differences / Land Rent: A Surplus Payment / Land

294

Marginal Productivity Theory of Resource Demand

Product / Rule for Employing Resources: MRP =

MRC / MRP as Resource Demand Schedule /

Resource Demand as a Derived Demand / Marginal Revenue

			Contents
Ownership: Fairness versus Allocative Efficiency /		Local, State, and Federal Employment	342
Application: A Single Tax on Land Interest Money Is Not a Resource / Interest Rates and Interest Income / Range of Interest Rates / Pure Rate of Interest /	297	Apportioning the Tax Burden Benefits Received versus Ability to Pay / Progressive, Proportional, and Regressive Taxes Consider This: The VAT: A Very Alluring Tax? 346	344
Loanable Funds Theory of Interest Rates / Extending the Model / Time-Value of Money / Role of Interest Rates / Application: Usury Laws Consider This: That Is Interest 301		Tax Incidence and Efficiency Loss Elasticity and Tax Incidence / Efficiency Loss of a Tax	347
Economic Profit Entrepreneurship and Profit / Insurable and Uninsurable Risks / Sources of Uninsurable Risks / Profit as Compensation for Bearing Uninsurable Risks / Sources of Economic Profit / Profit Rations Entrepreneurship / Entrepreneurs, Profits, and Corporate Stockholders Consider This: Apple CEO Steve Jobs 305	304	Probable Incidence of U.S. Taxes Personal Income Tax / Payroll Taxes / Corporate Income Tax / Sales and Excise Taxes / Property Taxes Last Word: Taxation and Spending: Redistribution versus Recycling 350 The U.S. Tax Structure	350 353
Last Word: Determining the Price of Credit 306 Income Shares	308	Chapter 17	
income shares	300	Asymmetric Information, Voting, and	
Chapter 15		Public Choice	357
Natural Resource and Energy Economics Resource Supplies: Doom or Boom? Population Growth / Resource Consumption per Person Consider This: Can Governments Raise Birthrates? 314	312 313	Information Failures Inadequate Buyer Information about Sellers / Inadequate Seller Information about Buyers / Qualification	358
Energy Economics Efficient Energy Use / Running Out of Energy? Consider This: Developing Alternative Fuel Sources Is Both Risky	317	Consider This: "Lemons" 360 Public Choice Theory Revealing Preferences through	361
and Costly 320	0.01	Majority Voting	362
Natural Resource Economics Using Present Values to Evaluate Future Possibilities	321 321	Inefficient Voting Outcomes / Paradox of Voting / Median-Voter Model	
Nonrenewable Resources Present Use versus Future Use / Incomplete Property Rights Lead to Excessive Present Use / Application: Conflict Diamonds Renewable Resources	322	Government Failure Representative Democracy and the Principal-Agent Problem / Clear Benefits, Hidden Costs / Limited and Bundled Choice / Bureaucracy and Inefficiency / Corruption / Imperfect Institutions Consider This: Mohair and the Collective Action Problem 366	365
Elephant Preservation / Forest Management / Optimal Forest Harvesting / Optimal Fisheries Management / Policies to Limit Catch Sizes		Last Word: "Government Failure" in the News 370	
Last Word: Is Economic Growth Bad for the Environment? 330		PART SIX Microeconomic Issues and Policies	272
PART FIVE		Microeconomic issues and Policies	373
Microeconomics of Government	335	Chapter 18	
		Antitrust Policy and Regulation	374
Chapter 16		The Antitrust Laws	375
Public Finance: Expenditures and Taxes	336	Historical Background / Sherman Act of 1890 / Clayton Act of 1914 / Federal Trade Commission Act of 1914 / Celler-Kefauver Act of 1950	
Government and the Circular Flow Government Finance Government Purchases and Transfers / Government Revenues	337 338	Antitrust Policy: Issues and Impacts Issues of Interpretation / Issues of Enforcement / Effectiveness of Antitrust Laws Consider This: Of Catfish and Art (and Other Things in Common) 381	376
Federal Finance Federal Expenditures / Federal Tax Revenues State and Local Finance State Finances / Local Finances	339 341	Industrial Regulation Natural Monopoly / Problems with Industrial Regulation / Legal Cartel Theory	381
Consider This: State Lotteries: A Good Bet? 342		Deregulation	383

Social Regulation	384	Chapter 21	
Distinguishing Features / The Optimal Level of Social Regulation / Two Reminders		Health Care	433
Last Word: United States v. Microsoft 386		The Health Care Industry	434
		The U.S. Emphasis on Private Health Insurance	434
Chapter 19		Twin Problems: Costs and Access	434
Agriculture: Economics and Policy	391	High and Rising: Health Care Costs	435
Economics of Agriculture The Short Run: Price and Income Instability / The Long Run:	392	Health Care Spending / Quality of Care: Are We Healthier? / Economic Implications of Rising costs / Too Much Spending?	10.5
A Declining Industry / Farm-Household Income		Limited Access	438
Consider This: Risky Business 396 Economics of Farm Policy Rationale for Farm Subsidies / Background: The Parity Concept / Economics of Price Supports / Reduction of Surpluses Consider This: Putting Corn in Your Gas Tank 401	398	Why the Rapid Rise in Costs? Peculiarities of the Health Care Market / The Increasing Demand for Health Care / Role of Health Insurance / Supply Factors in Rising Health Care Prices / Relative Importance Consider This: Cancer Fight Goes Nuclear 445	439
Criticisms and Politics Criticisms of the Parity Concept / Criticisms of the Price-Support System / The Politics of Farm Policy Last Word: The Sugar Program: A Sweet Deal 404	402	Cost Containment: Altering Incentives Deductibles and Copayments / Health Savings Accounts / Managed Care / Medicare and DRG / Limits on Malpractice Awards	445
Recent Farm Policies Freedom to Farm Act of 1996 / The Food, Conservation, and Energy Act of 2008	405	The Patient Protection and Affordable Care Act Major Provisions / Objections and Alternatives Last Word: Singapore's Efficient and Effective Health Care System 448	447
Chapter 20		Chapter 22	
Income Inequality, Poverty,	410	Immigration	454
and Discrimination		-	
Facts about Income Inequality Distribution by Income Category / Distribution by Quintiles	411	Number of Immigrants Legal Immigrants / Illegal Immigrants The Decision to Migrate	455 456
(Fifths) / The Lorenz Curve and Gini Ratio / Income Mobility: The Time Dimension / Effect of Government Redistribution	414	The Decision to Migrate Earnings Opportunities / Moving Costs / Factors Affecting Costs and Benefits	430
Causes of Income Inequality Ability / Education and Training / Discrimination / Preferences and Risks / Unequal Distribution of Wealth / Market Power / Luck, Connections, and Misfortune	414	Economic Effects of Immigration Personal Gains / Impacts on Wage Rates, Efficiency, and Output / Income Shares / Complications and	458
Income Inequality over Time Rising Income Inequality since 1970 / Causes of Growing	415	Modifications / Fiscal Impacts / Research Findings Consider This: Stars and Stripes 459 The Illegal Legal research in Debate.	463
Inequality Consider This: Laughing at Shrek 417		The Illegal Immigration Debate Employment Effects / Wage Effects / Price Effects / Fiscal Impacts on Local and State Governments / Other Concerns	403
Equality versus Efficiency The Case for Equality: Maximizing Total Utility / The Case for Inequality: Incentives and Efficiency / The Equality-Efficiency Trade-off	417	Last Word: Immigration Reform: The Beaten Path to the Current Stalemate 466 Optimal Immigration	467
Consider This: Slicing the Pizza 419	419	PART SEVEN	
The Economics of Poverty Definition of Poverty / Incidence of Poverty / Poverty Trends / Measurement Issues	419	GDP, Growth, and Instability	471
The U.S. Income-Maintenance System Social Insurance Programs / Public Assistance Programs	421	Chapter 23	470
Discrimination	424	An Introduction to Macroeconomics	472
Economic Analysis of Discrimination	424	Performance and Policy	473
Taste-for-Discrimination Model / Statistical Discrimination / Occupational Segregation: The Crowding Model / Cost to Society as Well as to Individuals Last Word: U.S. Family Wealth and Its Distribution 428		The Miracle of Modern Economic Growth Saving, Investment, and Choosing between Present and Future Consumption / Banks and Other Financial Institutions Consider This: Economic versus Financial Investment 476	474

Uncertainty, Expectations, and Shocks Demand Shocks and Flexible Prices / Demand Shocks and Sticky Prices Consider This: The Great Recession 479	476	Accounting for Growth Labor Inputs versus Labor Productivity / Technological Advance / Quantity of Capital / Education and Training / Economies of Scale and Resource Allocation	514
How Sticky Are Prices? Last Word: Inventory Management and the Business Cycle 480	480	Consider This: Women, the Labor Force, and Economic Growth 516 The Rise in the Average Rate of Productivity Growth	518
Categorizing Macroeconomic Models Using Price Stickiness	482	Reasons for the Rise in the Average Rate of Productivity Growth / Implications for Economic Growth / Skepticism about Longevity / What Can We Conclude?	
Chapter 24		Is Growth Desirable and Sustainable?	521
Measuring Domestic Output and	405	The Antigrowth View / In Defense of Economic Growth Last Word: Economic Growth in China 522	
National Income	485	Chambar 24	
Assessing the Economy's Performance Gross Domestic Product	486 486	Chapter 26	526
A Monetary Measure / Avoiding Multiple Counting /	400	Business Cycles, Unemployment, and Inflation	526
GDP Excludes Nonproduction Transactions / Two Ways of Looking at GDP: Spending and Income	400	The Business Cycle Phases of the Business Cycle / Causation: A First Glance / Cyclical Impact: Durables and Nondurables	527
The Expenditures Approach Personal Consumption Expenditures (C) / Gross Private	488	Unemployment	529
Domestic Investment (I_g) / Government Purchases (G) / Net Exports (X_n) / Putting It All Together: GDP = C + $I_g + G + X_n$ Consider This: Stocks versus Flows 491		Measurement of Unemployment / Types of Unemployment / Definition of Full Employment / Economic Cost of Unemployment / Noneconomic Costs / International Comparisons	327
The Income Approach	492	Inflation	535
Compensation of Employees / Rents / Interest / Proprietors' Income / Corporate Profits / Taxes on Production and Imports / From National Income to GDP		Meaning of Inflation / Measurement of Inflation / Facts of Inflation / Types of Inflation / Complexities / Core Inflation Consider This: Clipping Coins 537	
Other National Accounts Net Domestic Product / National Income / Personal Income / Disposable Income / The Circular Flow Revisited	494	Redistribution Effects of Inflation Who Is Hurt by Inflation? / Who Is Unaffected or Helped by Inflation? / Anticipated Inflation / Other Redistribution Issues	538
Nominal GDP versus Real GDP Adjustment Process in a One-Product Economy / An Alternative Method / Real-World Considerations and Data	497	Does Inflation Affect Output? Cost-Push Inflation and Real Output / Demand-Pull Inflation and Real Output / Hyperinflation	541
Shortcomings of GDP	499	Last Word: The Stock Market and the Economy 542	
Nonmarket Activities / Leisure / Improved Product Quality / The Underground Economy / GDP and the			
Environment / Composition and Distribution of Output /		PART EIGHT	
Noneconomic Sources of Well-Being		Macroeconomic Models and	
Last Word: Magical Mystery Tour 501		Fiscal Policy	546
Chapter 25			
Economic Growth	505	Chapter 27	
Economic Growth	506	Basic Macroeconomic Relationships	547
Growth as a Goal / Arithmetic of Growth / Growth in the United States	300	The Income-Consumption and Income-Saving Relationships	548
Modern Economic Growth The Uneven Distribution of Growth / Catching Up Is Possible Consider This: Economic Growth Rates Matter! 510	508	The Consumption Schedule / The Saving Schedule / Average and Marginal Propensities / Nonincome Determinants of Consumption and Saving / Other Important Considerations	
Institutional Structures That Promote Growth Consider This: Patents and Innovation 512	511	Consider This: The Great Recession and the Paradox of Thrift 554 The Interest-Rate-Investment	
Determinants of Growth	512	Relationship	555
Supply Factors / Demand Factor / Efficiency Factor		Expected Rate of Return / The Real Interest Rate /	
Production Possibilities Analysis	513	Investment Demand Curve / Shifts of the Investment	
Growth and Production Possibilities / Labor and Productivity		Demand Curve / Instability of Investment Consider This: The Great Recession and the Investment Riddle 560	ı

The Multiplier Effect	560	Chapter 30	
Rationale / The Multiplier and the Marginal Propensities / How Large Is the Actual Multiplier Effect?		Fiscal Policy, Deficits, and Debt	613
Last Word: Squaring the Economic Circle 563		Fiscal Policy and the AD-AS Model Expansionary Fiscal Policy / Contractionary Fiscal Policy / Policy Options: G or T?	614
Chapter 28 The Aggregate Expenditures		Built-In Stability	617
Model	567	Automatic or Built-In Stabilizers	(10
Assumptions and Simplifications	568	Evaluating Fiscal Policy Cyclically Adjusted Budget / Recent U.S. Fiscal Policy /	619
Consumption and Investment Schedules	568	Budget Deficits and Projections	
Equilibrium GDP: $C + I_g = GDP$ Tabular Analysis / Graphical Analysis	569	Problems, Criticisms, and Complications Problems of Timing / Political Considerations / Future Policy Reversals / Offsetting State and Local	623
Other Features of Equilibrium GDP Saving Equals Planned Investment / No Unplanned Changes in Inventories	572	Finance / Crowding-Out Effect / Current Thinking on Fiscal Policy	/05
Changes in Equilibrium GDP and the Multiplier	573	The U.S. Public Debt Ownership / Debt and GDP / International	625
Adding International Trade	574	Comparisons / Interest Charges	
Net Exports and Aggregate Expenditures / The Net Export Schedule / Net Exports and Equilibrium GDP / International Economic Linkages		False Concerns Bankruptcy / Burdening Future Generations	627
Adding the Public Sector Government Purchases and Equilibrium GDP / Taxation and Equilibrium GDP	578	Substantive Issues Income Distribution / Incentives / Foreign-Owned Public Debt / Crowding-Out Effect Revisited Last Word: The Social Security and Medicare	628
Equilibrium versus Full-Employment GDP Recessionary Expenditure Gap / Inflationary Expenditure Gap / Application: The Recession of 2007–2009	581	Shortfalls 630	
Last Word: Say's Law, the Great Depression, and Keynes 584		PART NINE	
Chapter 29		Money, Banking, and Monetary Policy	635
Aggregate Demand and			
Aggregate Supply	589	Chapter 31	
Aggregate Demand Aggregate Demand Curve	590	Money, Banking, and Financial Institutions	636
Changes in Aggregate Demand	591	The Functions of Money	637
Consumer Spending / Investment Spending / Government Spending / Net Export Spending	504	The Components of the Money Supply Money Definition M1 / Money Definition M2 Consider This: Are Credit Cards Money? 640	637
Aggregate Supply Aggregate Supply in the Immediate Short Run / Aggregate Supply in the Short Run / Aggregate Supply in the Long Run / Focusing on the Short Run	594	What "Backs" the Money Supply? Money as Debt / Value of Money / Money and Prices / Stabilizing Money's Purchasing Power	640
Changes in Aggregate Supply Input Prices / Productivity / Legal-Institutional Environment	597	The Federal Reserve and the Banking System Historical Background / Board of Governors / The 12 Federal Reserve Banks / FOMC / Commercial Banks	643
Equilibrium and Changes in Equilibrium Increases in AD: Demand-Pull Inflation / Decreases in AD:	600	and Thrifts / Fed Functions and the Money Supply / Federal Reserve Independence	(1)
Recession and Cyclical Unemployment / Decreases in AS: Cost-Push Inflation / Increases in AS: Full Employment with Price-Level Stability Consider This: Ratchet Effect 603 Last Word: Has the Impact of Oil Prices Diminished? 605		The Financial Crisis of 2007 and 2008 The Mortgage Default Crisis / Securitization / Failures and Near-Failures of Financial Firms / The Treasury Bailout: TARP / The Fed's Lender-of-Last-Resort Activities	646
Chapter 29 Appendix: The Relationship of the		The Postcrisis U.S. Financial Services	
Aggregate Demand Curve to the Aggregate Expenditures Model	610	Industry Last Word: Electronic Banking 651	649

_	
Ontents	vv

Chapter 32		Arbitrage	703
Money Creation	655	Risk	704
The Fractional Reserve System Illustrating the Idea: The Goldsmiths / Significant Characteristics of Fractional Reserve Banking	656	Diversification / Comparing Risky Investments / Relationship of Risk and Average Expected Rates of Return / The Risk-Free Rate of Return	700
A Single Commercial Bank Transaction 1: Creating a Bank / Transaction 2: Acquiring Property and Equipment / Transaction 3: Accepting Deposits / Transaction 4: Depositing Reserves in a Federal Reserve Bank / Transaction 5: Clearing a Check Drawn against the Bank	657	The Security Market Line Security Market Line: Applications Consider This: Ponzi Schemes 710 Last Word: Index Funds versus Actively Managed Funds 712 PART TEN	708
Money-Creating Transactions of a Commercial Bank Transaction 6: Granting a Loan / Transaction 7: Buying Government Securities / Profits, Liquidity, and the Federal	660	Extensions and Issues	716
Funds Market		Chapter 35	
The Banking System: Multiple-Deposit Expansion The Banking System's Lending Potential / The Monetary Multiplier / Reversibility: The Multiple Destruction of Money	663	Extending the Analysis of Aggregate Supply	717
Last Word: The Bank Panics of 1930–1933 666		From Short Run to Long Run Short-Run Aggregate Supply / Long-Run Aggregate Supply / Long-Run Equilibrium in the AD-AS Model	718
Chapter 33		Applying the Extended AD-AS Model	720
Interest Rates and Monetary Policy	670	Demand-Pull Inflation in the Extended AD-AS Model / Cost-Push Inflation in the Extended AD-AS Model /	
Interest Rates The Demand for Money / The Equilibrium Interest Rate / Interest Rates and Bond Prices	671	Recession and the Extended AD-AS Model / Economic Growth with Ongoing Inflation	
The Consolidated Balance Sheet of the Federal Reserve Banks	673	The Inflation-Unemployment Relationship The Phillips Curve / Aggregate Supply Shocks and the Phillips Curve	724
Assets / Liabilities Tools of Monetary Policy Open-Market Operations / The Reserve Ratio /	675	The Long-Run Phillips Curve Short-Run Phillips Curve / Long-Run Vertical Phillips Curve / Disinflation	728
The Discount Rate / Term Auction Facility / Relative Importance		Taxation and Aggregate Supply Taxes and Incentives to Work / Incentives to Save and	730
Targeting the Federal Funds Rate Expansionary Monetary Policy / Restrictive Monetary Policy / The Taylor Rule Consider This: The Fed as a Sponge 683	680	Invest / The Laffer Curve / Criticisms of the Laffer Curve / Rebuttal and Evaluation Consider This: Sherwood Forest 732 Last Word: Do Tax Increases Reduce Real GDP? 733	
Monetary Policy, Real GDP, and the Price Level	684		
Cause-Effect Chain / Effects of an Expansionary Monetary Policy / Effects of a Restrictive Monetary Policy		Chapter 36	
Monetary Policy: Evaluation and Issues Recent U.S. Monetary Policy / Problems and Complications	688	Current Issues in Macro Theory and Policy	737
Consider This: Up, Up, and Away 689 The "Big Picture" Last Word: The "Big Picture" 690	692	What Causes Macro Instability? Mainstream View / Monetarist View / Real-Business-Cycle View / Coordination Failures Consider This: Too Much Money? 741	738
Chapter 34		Does the Economy "Self-Correct"?	742
Financial Economics	697	New Classical View of Self-Correction / Mainstream View of Self-Correction	
Financial Investment	698 408	Rules or Discretion?	745
Present Value Compound Interest / The Present Value Model / Applications	698	In Support of Policy Rules / In Defense of Discretionary Stabilization Policy / Policy Successes Consider This: On the Road Again 746	
Some Popular Investments Stocks / Bonds / Mutual Funds / Calculating Investment Returns / Asset Prices and Rates of Return	701	Summary of Alternative Views Last Word: The Taylor Rule: Could a Robot Replace Ben Bernanke? 749	750

PART ELEVEN International Economics	<i>753</i>	Flexible Exchange Rates Depreciation and Appreciation / Determinants of Exchange Rates / Flexible Rates and the Balance of Payments / Disadvantages of Flexible Exchange Rates	785
Chapter 37		Fixed Exchange Rates	790
International Trade	754	Use of Official Reserves / Trade Policies / Exchange Controls and Rationing / Domestic Macroeconomic	
Some Key Trade Facts	755	Adjustments	
The Economic Basis for Trade	756	The Current Exchange Rate System:	700
Comparative Advantage Two Isolated Nations / Specializing Based on Comparative Advantage / Terms of Trade / Gains from Trade / Trade with Increasing Costs / The Case for Free Trade Consider This: A CPA and a House Painter 757 Consider This: Misunderstanding the Gains from Trade 762	756	The Managed Float Recent U.S. Trade Deficits Causes of the Trade Deficits / Implications of U.S. Trade Deficits Last Word: Speculation in Currency Markets 796	792 794
Supply and Demand Analysis of Exports and Imports	764	WEB Chapter 39 www.mcconnell	
Supply and Demand in the United States / Supply and Demand in Canada / Equilibrium World Price, Exports, and		The Economics of Developing Countries	39W-1
Imports Trade Barriers and Export Subsidies	767	The Rich and the Poor Classifications / Comparisons / Growth, Decline, and Income Gaps / The Human Realities of Poverty	39W-2
Economic Impact of Tariffs / Economic Impact of Quotas / Net Costs of Tariffs and Quotas Consider This: Buy American? 767		Obstacles to Economic Development Natural Resources / Human Resources / Capital Accumulation / Technological Advance / Sociocultural and	39W-4
The Case for Protection: A Critical Review Military Self-Sufficiency Argument / Diversification-for-	770	Institutional Factors	
Stability Argument / Infant Industry Argument /		The Vicious Circle	39W-11
Protection-against-Dumping Argument / Increased Domestic Employment Argument /		The Role of Government A Positive Role / Public Sector Problems	39W-12
Cheap Foreign Labor Argument Multilateral Trade Agreements and Free-Trade Zones General Agreement on Tariffs and Trade / World Trade Organization / The European Union / North American Free Trade Agreement	772	The Role of Advanced Nations Expanding Trade / Admitting Temporary Workers / Discouraging Arms Sales / Foreign Aid: Public Loans and Grants / Flows of Private Capital Last Word: Famine in Africa 39W-16	39W-14
Trade Adjustment Assistance	774	Glossary	G
Offshoring of Jobs	774	Credits	C-1
Last Word: Petition of the Candlemakers, 1845 775		Index	IND
Chapter 38			
The Balance of Payments, Exchange			
Rates, and Trade Deficits	780		
International Financial Transactions The Balance of Payments Current Account / Capital and Financial Account / Why the Balance? / Official Reserves, Payments Deficits, and Payments Surpluses	781 781		