Contents

List of figures  xvi
Preface  xxii
Acknowledgments  xxiv

PART I
Economics: A pluralistic definition  1

1  What is economics? The answer depends on who you ask  3
   1.0  Chapter 1 learning goals  3
   1.1  Why economics matters: Economic policy  4
   1.2  How does the economy affect your life?  6
   1.3  Why take a pluralistic approach to the study of economics?  7
   1.4  Economic methodology: How to “do” economics  9
   1.5  Methodology in microeconomics: Amazon.com and consumer behavior  11
   1.6  The Scientific Method in economics:
       How scientific can economics be?  12
   1.7  Macroeconomic analysis of economic crises  13
   1.8  The rich social science of economics  14
   1.9  Conclusion  17

2  Scarcity, choice, and opportunity cost: The mainstream approach,
   the PPC model, the limits of this approach, and the importance of institutions  20
   2.0  Chapter 2 learning goals  20
   2.1  Scarcity, choice, and opportunity cost  21
   2.2  The production possibilities curve: A simple, mainstream model  23
2.3 The specialization of resources &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n...
5.4 Surplus value and the exploitation of labor
5.5 Marx on competition, globalization, economic concentration, and commodification
5.6 Crisis and revolution
5.7 Conclusion
Notes

6 Thorstein Veblen and monopoly capitalism: The rise of manufacturing and the fall of laissez-faire
6.0 Chapter 6 learning goals
6.1 The Development of monopoly capitalism in the United States
6.2 Race, ethnicity, class, and gender in the United States
6.3 The Age of Imperialism
6.4 The rise of neoclassical economics
6.5 Veblen on evolution and institutions
6.6 Veblen on culture, pecuniary emulation, and conspicuous consumption
6.7 Making money vs. making goods
6.8 The manufacturing boom and the Roaring 1920s
6.9 The Great Depression and the fall of laissez-faire
6.10 Conclusion
Notes

7 Keynes and mixed market capitalism: How to save capitalism from itself
7.0 Chapter 7 learning goals
7.1 Neoclassical economics and the ideology of laissez-faire
7.2 The macroeconomic revolution of John Maynard Keynes
7.3 Macroeconomic stabilization policy
7.4 The New Deal and the rise of the mixed economy
7.5 Hayek’s critique of government intervention
7.6 The mixed economy and the golden age of U.S. capitalism from 1945-1973
7.7 The era of neoliberalism and globalization, 1974-2018
7.8 Conclusion: The mixed economy of the United States
Notes

8 Modern economic systems: Market Dominated, Social Market, and State Dominated Economies
8.0 Chapter 8 learning goals
8.1 Comparing market dominated economies and social market economies
8.2 The U.S. model of a market dominated economy 145
8.3 The Nordic Model of a Social Market Economy 148
8.4 Other varieties of social market economies 151
8.5 Socialism and communism 154
8.6 The Chinese State Dominated Economy 156
8.7 Conclusion 158
Notes 160

PART III
Markets, supply, and demand 161

9 Markets and how they work: The institutional foundations of markets, and the supply and demand model 163

9.0 Chapter 9 learning goals 164
9.1 Markets and market transactions 165
9.2 The institutions that make markets work 166
9.3 The assumptions of the supply and demand model of mainstream economics 170
9.4 Overview of the supply and demand model and equilibrium 173
9.5 The theory of demand 175
9.6 The determinants of demand that cause shifts in the demand curve 178
9.7 The theory of supply 183
9.8 The determinants of supply 187
Note 192

10 Applications of supply and demand: Wages, advertising, price floors and ceilings, excise taxes and subsidies, consumer and producer surplus, and elasticity 193

10.0 Chapter 10 learning goals 194
10.1 Double shifts: The impact of changes in wages and advertising 194
10.2 Price ceilings and price floors 199
10.3 Per-unit subsidies and excise taxes 202
10.4 Consumer and producer surplus and dead weight loss 205
10.5 The price elasticity of demand 206
10.6 The determinants of the price elasticity of demand 212
10.7 Income elasticity and cross-price elasticity of demand 214
10.8 Price elasticity of supply 216
10.9 Conclusion 219
Notes 222
PART IV
Market structures and corporations 245

12 Different types of market structures: And how they affect market outcomes 247

13 Short-run and long-run costs of production 271
14 Perfect competition and competitive markets:  
The perfect, Smithian market structure  

14.0 Chapter 14 learning goals  
14.1 The characteristics of a perfectly competitive market  
14.2 The model of the perfectly competitive firm in the short run  
14.3 The mainstream model of the perfectly competitive firm in the long run  
14.4 An application of supply, demand and perfect competition  
14.5 Perfect competition, market efficiency and public policy  
14.6 Conclusion  

15 Monopoly and monopoly power: Natural and non-natural monopolies and how the government regulates them  

15.0 Chapter 15 learning goals  
15.1 Monopoly characteristics  
15.2 Demand and marginal revenue curves for a monopoly  
15.3 Profit maximization in a monopoly in the short run  
15.4 Regulating natural monopolies in the long run  
15.5 The debate over monopolies: Rivalrous competition vs. monopoly capital  
15.6 Conclusion  

Note  

16 Monopolistic competition: The market for local services and other easy-to-enter industries with unique products  

16.0 Chapter 16 learning goals  
16.1 The characteristics of a monopolistically competitive market  
16.2 Short-run profit maximization in monopolistic competition  
16.3 Monopolistic competition in the long run  
16.4 Strategic focus: Costs, quality, location, service, and branding  
16.5 Conclusion  

17 Oligopoly and strategic behavior: The nature of large firm competition and an introduction to game theory  

17.0 Chapter 17 learning goals  
17.1 The major characteristics of an oligopolistic industry  
17.2 The kinked demand curve model of an oligopolistic industry  
17.3 Tacit, illegal, and formal collusion  
17.4 Game theory and the Prisoner's Dilemma  
17.5 Conclusion  

Note
18 Corporations and their role in society: The good and bad side of limited liability corporations  

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.0</td>
<td>Chapter 18 learning goals</td>
<td>374</td>
</tr>
<tr>
<td>18.1</td>
<td>The three types of firms: Sole proprietorships, partnerships, and corporations</td>
<td>374</td>
</tr>
<tr>
<td>18.2</td>
<td>Key aspects of the modern, limited liability corporation</td>
<td>375</td>
</tr>
<tr>
<td>18.3</td>
<td>If corporations are people, what kind of people are they?</td>
<td>377</td>
</tr>
<tr>
<td>18.4</td>
<td>Are corporations psychopaths?</td>
<td>386</td>
</tr>
<tr>
<td>18.5</td>
<td>The good side of large corporations</td>
<td>388</td>
</tr>
<tr>
<td>18.6</td>
<td>Conclusion</td>
<td>389</td>
</tr>
<tr>
<td>Notes</td>
<td></td>
<td>391</td>
</tr>
</tbody>
</table>

PART V  
Government intervention in microeconomic markets  

19 Market failure and government failure: The primary role for government in microeconomic markets  

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.0</td>
<td>Chapter 19 learning goals</td>
<td>396</td>
</tr>
<tr>
<td>19.1</td>
<td>Market failure 1: Imperfect information about unsafe products</td>
<td>397</td>
</tr>
<tr>
<td>19.2</td>
<td>Market failure 2: Unequal bargaining power in the labor market</td>
<td>398</td>
</tr>
<tr>
<td>19.3</td>
<td>Market failure 3: Monopoly power and insufficient competition</td>
<td>400</td>
</tr>
<tr>
<td>19.4</td>
<td>Market failure 4: Negative and positive externalities</td>
<td>401</td>
</tr>
<tr>
<td>19.5</td>
<td>Market failure 5: Failure to preserve common resources and the environment</td>
<td>407</td>
</tr>
<tr>
<td>19.6</td>
<td>Market failure 6: Inadequate supply of public goods</td>
<td>410</td>
</tr>
<tr>
<td>19.7</td>
<td>Market failure 7: Increasing costs of essential services</td>
<td>412</td>
</tr>
<tr>
<td>19.8</td>
<td>Market failure 8: Fostering inequality and poverty</td>
<td>414</td>
</tr>
<tr>
<td>19.9</td>
<td>Government failure</td>
<td>420</td>
</tr>
<tr>
<td>19.10</td>
<td>Conclusion</td>
<td>421</td>
</tr>
<tr>
<td>Note</td>
<td></td>
<td>423</td>
</tr>
</tbody>
</table>

20 The economics of the environment and climate change: A key issue of our time  

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0</td>
<td>Chapter 20 learning goals</td>
<td>425</td>
</tr>
<tr>
<td>20.1</td>
<td>Ecological economics</td>
<td>426</td>
</tr>
<tr>
<td>20.2</td>
<td>Environmental and natural resource economics</td>
<td>427</td>
</tr>
<tr>
<td>20.3</td>
<td>The scientific consensus on climate change</td>
<td>431</td>
</tr>
<tr>
<td>20.4</td>
<td>The economic consequences of climate change</td>
<td>434</td>
</tr>
<tr>
<td>20.5</td>
<td>Mainstream, market-based solutions to climate change</td>
<td>436</td>
</tr>
<tr>
<td>20.6</td>
<td>Political economy solutions to climate change</td>
<td>439</td>
</tr>
<tr>
<td>20.7</td>
<td>Conclusion</td>
<td>441</td>
</tr>
<tr>
<td>Notes</td>
<td></td>
<td>443</td>
</tr>
</tbody>
</table>
21 Public goods and services: Do we have the right balance of public and private goods and services?  
21.0 Chapter 21 learning goals  
21.1 Public and quasi-public goods  
21.2 Determining the optimal balance of public and private goods  
21.3 How best to provide public goods  
21.4 Galbraith and the theory of social balance  
21.5 Health Care and health insurance  
21.6 Health care systems  
21.7 Education, knowledge, innovation, and economic development  
21.8 Conclusion  
Notes

PART VI  
Labor markets and inequality

22 Working for a living: The labor market and the forces that affect your working life  
22.0 Chapter 22 learning goals  
22.1 Labor market trends  
22.2 The political economy of labor: Workers, employers and conflict  
22.3 Motivating labor: Sticks and carrots  
22.4 Power dynamics between employers and workers  
22.5 The mainstream, neoclassical model of the competitive labor market  
22.6 Applications of the supply and demand for labor  
22.7 The economics of the minimum wage  
22.8 Marginal revenue product and income determination in mainstream economics  
22.9 The mainstream economics model of labor in non-competitive markets  
22.10 Conclusion  
Notes

23 Inequality, a key modern issue: Class, race, gender, and distribution  
23.0 Chapter 23 learning goals  
23.1 Income and wealth inequality in the United States and other developed countries  
23.2 Social class and the political economy of inequality  
23.3 Additional factors driving class inequality in the modern world  
23.4 Why we should care about class inequality, and what we can do to address it
23.5 Race and inequality 518
23.6 Gender inequality 522
23.7 Economic analysis of inequality: Feminist economics and stratification economics 524
23.8 Conclusion 526
Notes 528

PART VII
International microeconomics 531

24 International microeconomics: Trade, protectionism, and exchange rates 533

24.0 Chapter 24 learning goals 534
24.1 Trade and the theory of comparative advantage 534
24.2 Problems with the theory of comparative advantage 538
24.3 Protectionism: Using tariff and non-tariff barriers to protect industries 543
24.4 Exchange rates and the foreign exchange market 546
24.5 The determinants of shifts in supply and demand in foreign exchange markets 548
24.6 Exchange rates, trade and microeconomic markets 552
24.7 Conclusion 553
Notes 556

Glossary of key terms and concepts 557
Index 569