DETAILED CONTENTS

Sixth Edition Reviewers XII

Preface XIII	1.3d Theories and Forecasts 22
Acknowledgements XIII	1.3e Theory and Policy 23 Summary 24
Supplements & Resources XIV	Key Terms 26
Customization XV	PROBLEMS AND TOPICS FOR DISCUSSION 26 CASE FOR DISCUSSION 28
PART 1 Introduction to Economics	From Ed Dolan's Econ Blog 29 Appendix 30
1 How Economists Think 2	2 Supply and Demand:
1.1 What? How? Who? For Whom? 5	THE BASICS 42
1.1a Deciding What to Produce: Opportunity Cost 5 Applying Economic Ideas 1.1	2.1 Demand 44 2.1a The Demand Curve 44
THE OPPORTUNITY COST OF A COLLEGE EDUCATION 6	2.1b Shifts in the Demand Curve 45 2.2 Supply 49
 1.1b Deciding How to Produce: Efficiency and Entrepreneurship 7 1.1c Deciding Who Will Do Which Work: The Division of Labor 10 	2.2a The Supply Curve 502.2b Shifts in the Supply Curve 522.3 The Interaction of Supply and Demand 54
Who Said IT? Who Did IT? 1.1	2.3a Market Equilibrium 54
David Ricardo and the Theory of Comparative Advantage 13 1.1d Deciding for Whom Goods Will Be Produced 14	 2.3b Shortages 54 2.3c Surpluses 56 2.3d Changes in Market Conditions 56 2.4 Price Floors and Ceilings 58
1.2 Coordinating Economic Choices 15 1.2a A Noneconomic Example 15 1.2b Spontaneous Order in Markets 16	2.4a Price Supports: The Market for Milk 58 Economics in the News 2.1
Who Said It? Who Did It? 1.2	CHOCOLATE LOVERS KEEP NERVOUS EYE ON
ADAM SMITH ON THE INVISIBLE HAND 17	Cocoa Prices 60
1.2c The Role of Hierarchy 18	2.4b Price Ceilings: The Case of Rent Control 61
1.3 Economic Method 18	2.4c Equilibrium as Spontaneous
1.3a Theories and Models 18	Order 64
1.3b Using Graphs 19	2.5 Some Closing Thoughts 64

1.3c Theory and Evidence 21

Who Said It? Who Did It? 2.1 Alfred Marshall on Supply and Demand 65	4.1c Rationality and Behavioral Economics 98 Who SAID IT? WHO DID IT? 4.1
Summary 66 Key Terms 67	Daniel Kahneman: Thinking Fast and Thinking Slow 99
Problems and Topics for Discussion 68 Case for Discussion 70	4.1d Self-Regarding versus Other-Regarding Preferences 10
From Ed Dolan's Econ Blog 71	APPLYING ECONOMIC IDEAS 4.1 ULTIMATUMS, DICTATORS, AND OTHER GAMES 10
3 Supply, Demand, and Elasticity 72 3.1 Elasticity 74 3.1a Price Elasticity of Demand 74	 4.2 Markets and Economic Choice 102 4.2a Market Performance 103 4.2b Market Failure 103 4.3 The Economic Role of Government 106 4.3a The Market Failure Theory
 3.1b Calculating Elasticity of Demand 76 3.1c Varying- and Constant-Elasticity Demand Curves 78 3.1d Determinants of Elasticity of Demand 78 3.1e Income Elasticity of Demand 81 3.1f Cross Elasticity of Demand 82 	of Government 106 4.3b The Public Choice Theory of Government 107 4.3c Neoclassical and Other Approache to Microeconomics 108 Summary 110 Key Terms 111 Problems and Topics for Discussion 112
3.1g Price Elasticity of Supply 82 3.2 Applications of Elasticity 83 3.2a Gas Tax or Mileage Standards? 83 3.2b Elasticity and Prohibition 85 Summary 88 Key Terms 88	Case for Discussion 114Understanding the Choices Consumers Make 116
PROBLEMS AND TOPICS FOR DISCUSSION 89 CASE FOR DISCUSSION 90 FROM ED DOLAN'S ECON BLOG 91	5.1 Utility and the Rational Consumer 118 5.1a Utility 118 5.1b Constraints on Opportunities 118 ECONOMICS IN THE News 5.1 WHAT MAKES US CHOOSE? 119
PART 2 Consumers, Firms, and Government 4 A CLOSER LOOK AT CHOICE IN	 5.1c Diminishing Marginal Utility and Consumer Choice 120 5.1d From Consumer Equilibrium to the Law of Demand 121 5.2 Substitution and Income Effects 121
Markets and Government 94 4.1 A Simple Model of Choice 96 4.1a Objectives, Constraints, and Choices 96 4.1b Economic Theory and Rationality 97	5.2a Income and Substitution Effects and the Demand Curve 122 Applying Economic Ideas 5.1 Testing Consumer Demand Theory with White Rats 124 5.2b Applications of Income and Substitution Effects 125

Substitution Effects 125

 5.3 Consumer Surplus 127 5.3a The Demand Curve as Willingness to Pay 127 5.3b Consumer Surplus, Producer Surplus, and Gains from Exchange 128 5.3c Application: Who Really Pays 	 SUPPLY UNDER PERFECT COMPETITION 180 7.1 Perfect Competition and Supply in the Short Run 183 7.1a The Constraints 183
Taxes? Incidence and Excess Burden 130 Summary 133 Key Terms 134 Problems and Topics for Discussion 134	 7.1b Short-Run Profit Maximization for the Firm 185 7.1c Minimizing Short-Run Losses 188 7.1d Shutting Down to Cut Short-Run
CASE FOR DISCUSSION 135 FROM ED DOLAN'S ECON BLOG 136 APPENDIX 138	Losses 189 ECONOMICS IN THE News 7.1 Changing with the Seasons 190
6 Production and Cost 148	7.1e The Firm's Short-Run Supply Curve 1917.1f The Industry's Short-Run
 6.1 Costs and Profits 150 6.1a The Profit Motive 150 6.1b The Nature of Costs 151 6.1c Profit, Rents, and Entrepreneurship 154 6.1d Fixed Costs, Variable Costs, and Sunk Costs 155 6.2 Production and Costs in the Short Run 157 	Supply Curve 193 7.2 Long-Run Equilibrium under Perfect Competition 193 7.2a Long-Run Equilibrium for a Competitive Firm 194 7.2b Industry Adjustment to Falling Demand 196 7.2c Industry Adjustment to Rising Demand 197 7.2d The Elasticity of
 6.2a Production with One Variable Input in the Short Run 157 6.2b From Marginal Physical Product to Marginal Costs 159 6.2c More Than One Variable Input 161 6.2d A Set of Short-Run Cost Curves 161 6.2e Some Geometric Relationships 161 	Long-Run Supply 199 7.3 Market Performance under Perfect Competition 200 7.3a What to Produce? 200 7.3b How to Produce 202 7.3c Other Aspects of Market Performance 202 Summary 204 Key Terms 205
6.3 Long-Run Costs and Economies of Scale 164 6.3a Planning for Expansion 164 6.3b Economies of Scale 166	PROBLEMS AND TOPICS FOR DISCUSSION 205 Case for Discussion 206
Summary 169	THE THEORY OF MONOPOLY 210
Key Terms 170	THE THEORY OF MONOPOLY 210
Problems and Topics for Discussion 170	0.1 17
CASE FOR DISCUSSION 172	8.1 Varieties of Monopoly 212
Appendix 174	ECONOMICS IN THE NEWS 8.1 CHINA'S FRAGILE RARE EARTH MONOPOLY 213

8.2 Simple Monopoly 214	9.1b Barriers to Entry 240
8.2a Constraints Faced by	9.1c Sunk Costs and Contestability
Monopoly 214	of Markets 241
8.2b Output, Price, and Marginal	9.2 Interdependence and Collusion
Revenue under Simple	in Oligopoly 241
Monopoly 215 8.2c Finding the Point of Maximum	9.2a Oligopolistic Interdependence 242
Profit 217	9.2b Cartels 242
8.2d Profit Maximization or Loss	9.2c Oligopoly as a Game 244
Minimization? 218	9.2d Coordination without Collusion 247
8.3 Profit Maximization in the	9.2e Market Performance
Long Run 219	under Oligopoly 248
8.3a Long-Run Equilibrium without	9.3 The Theory of Monopolistic
Threat of Entry 219	Competition 249
8.3b Open Monopoly, Entrepreneurship	
and Limit Pricing 220	Monopolistic Competition 249
8.3c Closed Monopoly and	9.3b Monopolistic Competition,
Rent Seeking 221	Free Competition, and
8.4 Complex Pricing Strategies 222	Market Performance 251
8.4a Price Discrimination 223	Summary 253
8.4b Two-Part Pricing 225	KEY TERMS 253
8.5 Market Performance under	PROBLEMS AND TOPICS FOR DISCUSSION 254
Monopoly 226	Case for Discussion 255
8.5a What to Produce: Consumer and Producer Surplus 226	
8.5b How to Produce: Average Total Cost in Monopoly Equilibrium 228	t 10 Regulating Markets 258
8.5c For Whom to Produce:	10.1 Antitrust Laws and Policies 260
Does Monopoly Promote	Applying Economic Ideas 10.1
Inequality? 229	The Antitrust Laws 260
8.5d The Bottom Line 230	10.1a Antitrust Policy 261
Summary 231 Key Terms 232	
Key Terms 232 Problems and Topics for Discussion 232	ECONOMICS IN THE NEWS 10.1 MICROSOFT VERSUS THE TRUSTBUSTERS 263
Case for Discussion 233	
From Ed Dolan's Econ Blog 235	10.1b Antitrust Reformers 264
-ROM ED DOLAN'S ECON BLOG 200	10.1c Entrepreneurship and Antitrust 264
0 p 0	Who Said IT? Who Did IT? 10.1
9 Rivalry, Oligopoly, and Monopolistic Competition 236	Joseph Schumpeter on Competition and Entrepreneurship 265
0.1 WILLIAM	10.1d The Future of
9.1 What Determines Market	Antitrust Policy 266
Structure? 238	10.2 Regulation of Natural Monopoly 267
Applying Economic Ideas 9.1	10.2a The Policy Problem 267
Measures of Market Concentration 239	10.2b The Regulatory Solution 267
9.1a Economies of Scale 240	- ·

10.3 Regulation of CompetitiveIndustries 27010.3a Historical Origins 270	12 Insurance, Information, and Uncertainty 314
10.3b Regulatory Reform 270 10.4 Health and Safety Regulation 271 10.4a Goals and Values 272 10.4b Benefits and Costs 272	WHO SAID IT? WHO DID IT? 12.1 FRIEDRICH VON HAYEK ON MARKETS AND INFORMATION 316
Summary 274 Key Terms 275	12.1 Insurance and Risk Pooling 317 12.1a Attitudes Toward Risk 317
PROBLEMS AND TOPICS FOR DISCUSSION 275 CASE FOR DISCUSSION 276	APPLYING ECONOMIC IDEAS 12.1 EXPECTED VALUE 317
PART 3 Resource Markets and Income Distribution	 12.1b The Principle of Risk Pooling 319 12.1c Application of Risk Pooling to Insurance 320 12.1d Asymmetrical Information, Opportunism, and Transaction Costs of Insurance 320
PRICING IN RESOURCE MARKETS 280 11.1 Demand for Inputs 282	ECONOMICS IN THE NEWS 12.1 ADVERSE SELECTION AND THE AFFORDABLE CARE ACT 322
11.1a Objectives and Constraints 282 11.1b Profit Maximization 286	12.2 Speculation and Its Role in the Economy 323
11.1c Resource Demand Curves 286 11.2 The Labor Market 289 11.2a The Labor Supply Curve 289	12.2a Speculation and Risk 323 12.2b Futures Contracts and Options 324
11.2b The Equilibrium Wage in a Competitive Market 291	12.2c The Social Usefulness of Speculation 325
11.2c The Marginal Productivity Theory of Distribution 291 11.2d Monopsony 293 11.2e Why Wage Rates Differ 295	12.3 The Economics of Auctions 326 12.3a Types of Auctions 327 12.3b The Revenue Equivalence Theorem 327
APPLYING ECONOMIC IDEAS 11.1 Costco versus Sam's Club in the Labor Market 298	12.3c The Winner's Curse 328 SUMMARY 330 KEY TERMS 331
11.3 Markets for Capital and Natural Resources 299	Problems and Topics for Discussion 332 Case for Discussion 333
11.3a Capital and Interest 299 11.3b Markets for Natural Resources 302 Summary 305 Key Terms 306	13 Labor Markets, Discrimination, and Public Policy 338
PROBLEMS AND TOPICS FOR DISCUSSION 307 CASE FOR DISCUSSION 309	13.1 Labor Unions 338 Applying Economic Ideas 13.1
From Ed Dolan's Econ Blog 310	LABOR UNIONS IN THE UNITED STATES:

A Brief History 338

Appendix 311

13.1a Unions, Wages, and Jobs 339	Summary 382
13.1b Unions as Political Entities 341	Key Terms 383
13.1c What Else Unions Do 342	Problems and Topics for Discussion 383
APPLYING ECONOMIC IDEAS 13.2	Case for Discussion 385
Labor-Management Relations 344	From Ed Dolan's Econ Blog 386
13.2 Minorities and Women in the Labor Force 345	DART 4 Funth on Tamina in
13.2a An Economic Model of Discrimination 346	PART 4 Further Topics in Microeconomic Policy
APPLYING ECONOMIC IDEAS 13.3	
Discrimination and the Law in	15 THE ECONOMICS OF
THE JIM CROW SOUTH 348	Climate Change and
13.2b Discrimination and Asymmetrical Information 350	Environmental Policy 388
13.2c Federal Antidiscrimination Policies 351	15.1 Pollution as a Problem of Scarcity 390
13.2d Occupational Segregation and	15.1a The Costs of Pollution
Gender Inequality 352	Abatement 390
Summary 355	15.1b Marginal External Cost 392
KEY TERM 355	15.1c The Optimal Quantity of
PROBLEMS AND TOPICS FOR DISCUSSION 356	Pollution 392
Case for Discussion 357	15.2 Controlling Externalities Through Voluntary Exchange 397
14	15.2a Markets Without Transaction
14 Income Distribution	Costs 398
and Poverty 360	ECONOMICS IN THE NEWS 15.1
14.1. 1	USING PROPERTY RIGHTS TO PROTECT LAND 399
14.1 Income Distribution: Measurement and Trends 362	15.2b Market Resolution of
14.1a Measuring Income	Externalities in Practice 400
Distribution 362	15.2c Transaction Costs as Barriers to
14.1b US Income Distribution Trends	Voluntary Resolution
and Their Causes 364	of Externalities 401
14.2 Poverty 370	15.3 Controlling Externalities Through Regulation 402
Applying Economic Ideas 14.1	15.3a Command and Control 402
POVERTY IN THE UNITED STATES AND	15.3b Emission Charges
Around the Globe 370	(Pollution Taxes) 403
14.2a Official Poverty Data in the	15.3c Cap and Trade 404
United States 371	15.4 Environmental Policy and
14.2b A New View of Poverty 371	Public Choice 406
14.3 Tools for Fighting Poverty 374	15.4a Environmental Policy
14.3a Fighting Poverty through the	in a Democracy 406
Labor Market 374	15.4b Vote Trading and
14.3b Fighting Poverty with Transfer Payments 376	Special Interests 406

Applying Economic Ideas 15.1

CAP AND TRADE FOR ACID RAIN 409

Summary 411

Key Terms 412

PROBLEMS AND TOPICS FOR DISCUSSION 412

CASE FOR DISCUSSION 414

From Ed Dolan's Econ Blog 416

16 GLOBAL TRADE AND TRADE POLICY 418

16.1 The Theory of Comparative Advantage:

Review and Extensions 421

- 16.1a Numerical Approach 421
- 16.1b Graphical Presentation 423
- 16.1c Does Comparative Advantage Really Work? 425
- 16.1d Comparative Advantage and "Competitiveness" 426
- 16.2 Trade Policy and Protectionism 428
 - 16.2a Moves Toward Freer Trade Since World War II 428

Applying Economic Ideas 16.1

THE KOREA-US FREE TRADE AGREEMENT—FIVE YEARS IN THE MAKING 430

16.2b Countertrends: Other Forms of Protectionism 431

16.2c Understanding Protectionism 432

Summary 436

KEY TERMS 437

Problems and Topics for Discussion 437

Case for Discussion 438

FROM ED DOLAN'S ECON BLOG 439

Glossary 441

Index 451