

Contents

<i>List of Figures</i>	xii
<i>List of Tables</i>	xv
<i>Preface</i>	xvi
<i>Acknowledgments</i>	xviii
<i>Organizational Alternatives</i>	xix

Part I Institutional Setting	1
1 Managerial Economics in Public and Nonprofit Administration: An Overview	3
1.1 Introduction	4
Application 1.1 Crossing into Government Administration from the Profit-seeking Sector	4
Application 1.2 Lessons from Hurricane Katrina	7
1.2 Economic Thinking in Not-for-profit Administration	11
1.3 Economic Scarcity	12
1.4 Economic Institutions	14
1.5 Economic Behavior	15
Application 1.3 Fool Me Once, Shame on You; Fool Me Twice, Shame on Me!	15
1.6 Economic Choice and Opportunity Costs	17
Application 1.4 Can Government and Nonprofit Firms Become More Efficient in Providing Services?	19
Concluding Notes	21
Key Terms	22
Suggested Readings	22
End of Chapter Exercises	22
Chapter 1 Appendix: Regression Tutorial	24
A1.1 Interpreting the Intercept and the Slope of a Regression Model	26

A1.2	Underlying Assumptions of the Ordinary Least Squares (OLS) Regression Model	26
A1.3	Evaluation of OLS Regression Models	27
A1.4	Point and Interval Estimates	34
A1.5	Multiple Linear Regression	35
2	Characteristics of the Government and Private Nonprofit Sectors	38
2.1	Introduction	39
2.2	Property Rights	39
2.3	Public Goods	40
2.4	Types of Not-for-profit (NFP) Firm	43
Application 2.1	“Public or Private?” and “Going Public”	43
Application 2.2	Are State Universities Being Privatized?	45
Application 2.3	Philanthropy Panel Study on U.S. Household Contributions	47
Application 2.4	The British Broadcasting Corporation as an Example of Nationalization and Potential Privatization	51
2.5	Uniqueness of the Government and Nonprofit Sectors	52
2.6	External Differences	53
2.7	Internal Differences	55
2.8	Sources of Revenue	60
Application 2.5	Intergovernmental Mental Health Funding Affects Who Is Treated and How	61
Application 2.6	Budgeting When Pledges Don’t Show Up or Are Delayed	66
2.9	Grants versus Purchase of Service Contracting	68
2.10	Types of Expenditures	69
2.11	Interaction between Sectors	70
	Concluding Notes	72
	Key Terms	73
	Suggested Readings	73
	End of Chapter Exercises	74
Part II	Consumer Theory and Public Goods	77
3	Demand and Supply	79
3.1	Introduction	79
3.2	Consumer Demand	80
3.3	Individual and Market Demand	82
3.4	Determinants of Demand	83
3.5	Supply	86
3.6	Firm and Market Supply	86
3.7	Determinants of Supply	88
3.8	Equilibrium of Demand and Supply	89

3.9	Price as a Rationing Device	91
3.10	Changes in Supply and/or Demand	93
	Application 3.1 Supply, Demand, and University Tuition	95
3.11	Consumer and Producer Surplus	96
3.12	Deadweight Loss and Economic Welfare	100
3.13	Price Controls	102
	Application 3.2 The Minimum Wage as a Price Floor	104
	Application 3.3 Santa Monica Rent Control	106
3.14	The Uniqueness of Demand for Public Goods	107
	Concluding Notes	109
	Key Terms	110
	Suggested Readings	111
	End of Chapter Exercises	111
4	Estimating Client Choice	115
4.1	Introduction	116
4.2	Indifference Curves and Budget Constraints	116
4.3	Maximizing Utility	119
4.4	Sensitivity of Demand: Elasticity Concepts	122
4.5	Price Elasticity of Demand	122
	Application 4.1 Can Regression Analysis Help Fill the Football Stadium?	124
4.6	Demand, Price Elasticity, and Total Revenue	125
4.7	A Note on Price Elasticity of Supply	127
4.8	Income Elasticity of Demand	127
4.9	Cross-elasticity of Demand	128
4.10	Three Elasticity Applications in the NFP Sectors	129
4.11	Using Elasticities to Analyze Tax Burdens	130
4.12	Forecasting Clients and Revenue	133
4.13	Types of Forecasts	134
	Application 4.2 Forecasting Daily Demand for Natural Gas	136
4.14	Using Data to Estimate Client Demand and Revenue	136
	Application 4.3 Using Quantitative Analysis to Estimate Elasticity and Forecast Demand: A Study of Zoo and Aquarium Attendance	137
	Application 4.4 The Demand for Nurses	138
	Concluding Notes	144
	Key Terms	145
	Suggested Readings	145
	End of Chapter Exercises	146
5	Market Failure and Public Choice	151
5.1	Introduction	151
5.2	Characteristics of Market Failure	153
	Application 5.1 Making the Case for National Parks in Terms of Market Failure	153

5.3	Information Asymmetry	155
5.4	Market Externalities	156
5.5	Correcting Market Failure with Taxes and Subsidies	159
5.6	Correcting Market Failure with Not-for-profit Firms	160
	Application 5.2 A Case Study Based on Nonprofit and For-profit Hospital Treatment of Altruistic Administrators	164
5.7	Potential for Government and Nonprofit Failure	168
	Application 5.3 Defining Property Rights to Limit Externalities in Chinese State Owned Enterprises (SOEs)	171
5.8	Collective Decision-making and Public Choice	173
	Concluding Notes	178
	Key Terms	179
	Suggested Readings	179
	End of Chapter Exercises	180

Part III Production Theory and Public Administration 185

6	Production and Costs	187
6.1	Introduction	187
6.2	Modeling Production	188
6.3	A Production Function with One Variable Input	189
	Application 6.1 Substituting Capital for Labor at the Post Office	193
6.4	Three Stages of Production	195
6.5	Value to the Firm of Increased Inputs	196
6.6	Cost Theory	198
	Application 6.2 Quantitative Analysis Helps Allocate Overhead per Job	198
	Application 6.3 Government Competitive Sourcing: Minimum Costs versus Best Values	202
6.7	Costs in the Short Run	207
6.8	Costs in the Long Run	215
6.9	Using Quantitative Analysis to Estimate Cost Functions	217
6.10	The Cost Disease	218
	Concluding Notes	219
	Key Terms	220
	Suggested Readings	220
	End of Chapter Exercises	221
7	Market Structure in Government and Nonprofit Industries	225
7.1	Introduction	225
7.2	The Role of Competition in the Government and Nonprofit Sectors	227
	Application 7.1 Profit-seeking Competition in Higher Education	228
7.3	Perfect Competition in Not-for-profit Industries	230
	Application 7.2 Not All Nonprofits Survive: Some Merge	239

7.4	Monopoly in Not-for-profit Industries	240
	Application 7.3 Balancing Revenue and Costs in Chinese State Owned Enterprises (SOEs)	242
7.5	Fee/Price Regulation	247
	Application 7.4 AT&T and the FCC: A New Approach to Regulation	248
7.6	Fee/Price Discrimination	251
	Concluding Notes	258
	Key Terms	259
	Suggested Readings	259
	End of Chapter Exercises	260
8	Selecting the Right Niche and Setting Client Fees	265
8.1	Introduction	265
8.2	Product Differentiation	266
	Application 8.1 Sticky Prices	267
8.3	Game Theory and NFP Strategic Behavior	271
	Application 8.2 Game Theory Helps Sell the Electromagnetic Spectrum	271
8.4	The Prisoner's Dilemma	274
8.5	A Revenue Maximization Model	275
8.6	The MacMillan Matrix	276
8.7	Cost-plus Pricing	278
8.8	Economies of Scope	283
8.9	Pricing in the Public Interest: How Pricing Can Alleviate Congestion	283
	Concluding Notes	285
	Key Terms	285
	Suggested Readings	286
	End of Chapter Exercises	286
9	Strategic Goals: If Not Profit, What?	289
9.1	Introduction	290
9.2	The Institutional Approach	290
9.3	Not-for-profit Contracts and Governance	291
	Application 9.1 Internal Control Systems in Nonprofit Firms	292
9.4	Optimization in a NFP Firm	293
9.5	Outputs and Outcomes	293
	Application 9.2 Infinity, the Good Life, and Distasteful Activities	294
	Application 9.3 Retirement Living at Universities	295
9.6	Objective Function of NFP Firms	295
	Application 9.4 What Is It That U.S. Institutions of Higher Education Try to Maximize?	299
	Application 9.5 Measuring Managerial Performance and Providing Incentives: Do Nonprofit Hospitals Operate Differently than For-profits?	302

9.7	Break-even Analysis	303
9.8	Managerial Discretion	308
9.9	Commercial Activity	312
	Application 9.6 “Unfair Competition” When Nonprofit Firms Become Commercial	312
9.10	Assessing NFP Firm Performance	314
9.11	Operational Targets and Indicators	317
	Application 9.7 External Examinations versus Internal Assessments	317
	Application 9.8 Student/Teacher Course Evaluations: An Indicator of Teaching Effectiveness or Threat to Educational Standards?	319
	Application 9.9 Keeping the Patient Informed	321
	Application 9.10 Do University Athletic Programs Significantly Influence Institutional Quality?	323
	Concluding Notes	324
	Key Terms	326
	Suggested Readings	326
	End of Chapter Exercises	327

Part IV Input Markets and Cost–Benefit Analysis 333

10 Employing Labor and Capital 335

10.1	Introduction	335
10.2	Input Markets as Derived Demand	336
10.3	Demand and Supply of Human Resources	338
	Application 10.1 The New York Stock Exchange Is a Nonprofit?	341
	Application 10.2 Shirking and Team Production	342
	Application 10.3 Volunteers Add Value But Are Not Free	347
10.4	Intrinsic Motivation	348
10.5	Personnel Economics	349
10.6	Demand and Supply for Loanable Funds	351
	Application 10.4 Do Endowments Permit Not-for-profit Firms to Adjust to Revenue Shocks?	352
10.7	Using Options to Reduce Risk	358
	Concluding Notes	361
	Key Terms	362
	Suggested Readings	362
	End of Chapter Exercises	362

11 Cost–Benefit Analysis 366

11.1	Introduction	366
11.2	Net Discounted Present Value	367
11.3	Cost–Benefit Analysis in the Not-for-profit Sectors	370
11.4	Cost–Benefit Framework	371

11.5	Identifying Cost Bearers and Beneficiaries	373
11.6	Measuring Costs and Benefits	375
	Application 11.1 Outdoor Recreation	376
11.7	Choosing the Discount Rate	382
	Application 11.2 Nutrition Education	383
11.8	Limitations of Cost–Benefit Analysis	386
11.9	Using Cost–Benefit Analysis: Public Library Case	387
11.10	Using Cost–Benefit Analysis: Health Warnings on Tobacco	
	Products	391
	Concluding Notes	393
	Key Terms	394
	Suggested Readings	394
	End of Chapter Exercises	395
	<i>Index</i>	399