

Contents

Preface v

Preface to the Second Edition xiii

1. Decision Analysis..... 1

1. Introduction..... 1

2. Decision Trees 5

 A. A Simple Problem..... 6

 B. Uncertainty 7

 C. Risk Aversion 10

 D. Application: Settlement Negotiation 11

 E. Application: Land Purchase..... 14

 F. Generalizations 21

 G. Test Your Skill 21

3. Acquiring the Necessary Information 24

 A. Structure..... 24

 B. Probabilities 25

 C. Payoffs 28

4. Sensitivity Analysis 28

5. Suggestions for Further Reading..... 30

2. Games and Information..... 33

1. Introduction to Game Theory 33

2. Description of Games..... 34

3. Solving Games 40

4. Moral Hazard and Incentives 47

5. Adverse Selection 52

6. Bargaining..... 55

7. Suggestions for Further Reading..... 58

3. Contracting	61
1. Introduction.....	61
2. Why Contracts Are Made.....	62
A. Differences in Valuation	62
B. Advantages in Production.....	63
C. Complementarities	64
D. Borrowing and Lending.....	64
E. Allocation of Risk.....	64
F. Different Expectations.....	65
3. Principles and Checkpoints for Contracting	65
A. Enlarging the Contractual Pie	65
B. Incentive Issues	67
C. Uncertainty and Risk Bearing	68
D. Practical Enforceability of Contractual Conditions	69
E. Disputes and Their Resolution	70
4. Production Contracts	71
A. Incentives and Component Prices	71
B. Incentives and Component Quality	74
C. Uncertainty and Renegotiation.....	76
D. Uncertainty and Risk Bearing	77
E. Application: School Gymnasium.....	79
F. Developing Arguments in Contract Litigation	82
5. Principal and Agent Contracts	84
A. Incentives	85
B. Risk Bearing.....	88
C. Application: Coffee Shop Manager.....	90
6. Other Types of Contracts.....	95
A. Joint Undertakings.....	95
B. Sale or Lease of Property	98
C. Loan Contracts	100
7. Resolving Contractual Disputes.....	103
A. Contingent Provisions.....	103
B. Damages for Breach.....	105
C. Arbitration	107
8. Negotiating the Contract.....	108
A. Both Sides Should Understand How to Enlarge the Pie.....	108

B. Be Greedy but Not Too Greedy	109
9. Suggestions for Further Reading.....	110
4. Accounting.....	111
1. Introduction.....	111
2. Three Basic Accounting Formats.....	113
A. Balance Sheets	113
B. Income Statements.....	118
C. Summaries of Cash Flows	121
3. Double-Entry Bookkeeping and the Accountant's Frame of Reference.....	124
A. The Transactional Nature of Financial Statements.....	124
B. The Fundamentals of Double-Entry Bookkeeping	125
4. Some Fundamental Concepts	133
A. The Big Picture	133
B. The Conservative Bias of Accountants	136
C. The Matching Principle and Its (Profound) Implications	137
D. Boundary Problems	145
5. The Institutional and Legal Structure of Accounting.....	148
A. Institutions and the Creation of Accounting Standards	148
B. Finding Financial Statements and Related Information.....	151
6. The Analysis of Financial Statements.....	159
A. Liquidity.....	160
B. Solvency	161
C. Managerial Efficiency.....	162
D. Profitability	163
E. Earnings per Share and Price-Earnings Ratios.....	165
7. Suggestions for Further Reading.....	167
2009 Amazon.com Annual Report.....	168
5. Finance.....	209
1. Introduction.....	209
2. The Foundations of Financial Theory.....	212
A. The Theory of the Firm	212
B. The Roots of Modern Finance	221

C. The Goals of Finance	229
3. The Time Value of Money	229
A. Comparing Current Dollars to Future Dollars	230
B. Simple versus Compound Interest.....	232
C. Finding the Present Value of a Single Future Payment.....	233
D. Valuing a Stream of Future Payments	235
E. Internal Rates of Return	238
F. What Interest Rate Should You Use?	240
G. Take-Home Lessons on the Time Value of Money	243
4. Key Concepts in Corporate Finance	244
A. The Efficient Market Hypotheses	244
B. Risk and Return.....	250
C. The Value of Diversification.....	255
D. The Capital Asset Pricing Model.....	259
5. The Valuation of Assets	261
A. Contemporaneous Transactions Involving Substantially Similar Assets	262
B. Market Valuation Estimates Derived from Financial Statements.....	263
C. Discounted Cash Flow Analysis.....	264
6. Suggestions for Further Reading.....	267
Eskimo Pie Corporation	269
6. Microeconomics.....	283
1. Introduction.....	283
2. The Theory of the Competitive Market.....	284
A. Demand Curves	284
B. Supply Curves.....	293
C. Determination of Market Price and Quantity.....	296
D. Government Intervention in Markets	300
E. Social Welfare and the Market.....	303
F. Social Welfare Evaluation of Government Intervention in Competitive Markets	313
3. Imperfect Consumer Information	315
A. Importance	315

B.	Problems: Inappropriate Purchases and Distorted Product Quality	316
C.	Policy Responses	317
4.	Monopoly and Related Market Behavior.....	320
A.	Why Monopoly Arises	320
B.	How a Monopolist Sets Price	321
C.	The Principal Economic Arguments Against Monopoly	326
D.	Price Discrimination	328
E.	Government Policy and Monopoly	330
F.	Oligopoly and Monopolistic Competition	333
5.	Externalities	335
A.	What Are Externalities?	335
B.	The Problem of Externalities: Private Behavior Is Not Socially Desirable	336
C.	Resolution of externality problems through bargaining.....	336
D.	Resolution of externality problems through markets.....	339
E.	Resolution of externality problems through legal rules.....	339
6.	Public Goods	344
A.	Definition	344
B.	Ideal Supply	344
C.	Inadequate supply by the private sector	345
D.	Public provision	346
E.	Qualifications.....	346
F.	Direct versus indirect public provision	347
7.	Welfare Economics	347
A.	What is welfare economics?	347
B.	Individual well-being.....	348
C.	Social welfare	348
D.	Social welfare maximum: efficiency and distribution.....	351
E.	Social welfare and the market.....	351
F.	Answers to questions and common criticisms	351

8. Suggestions for Further Reading.....	355
7. Economic Analysis of Law	357
1. Introduction.....	357
A. The Economic Approach	357
B. What Distinguishes Economic from Other Analysis of Law?	359
C. History of the Economic Approach.....	359
2. Property Law.....	360
A. Definition of Property Rights.....	360
B. Justifications for Property Rights	361
C. Emergence of Property Rights	362
D. Division of Property Rights.....	364
E. Acquisition and Transfer of Property	365
F. Conflicts in the Use of Property: Externalities.....	368
G. Public Property.....	368
H. Acquisition of Public Property	368
I. Property Rights in Information.....	370
3. Torts.....	376
A. Unilateral Accidents and Levels of Care	376
B. Bilateral Accidents and Levels of Care	380
C. Unilateral Accidents, Levels of Care, and Levels of Activity	380
D. Accidents Involving Firms as Injurers.....	385
E. Risk Aversion, Insurance, and Liability	390
F. Liability and Administrative Costs	395
G. Economic Analysis of Tort Law versus Traditional Analysis	396
4. Contracts	396
A. Definitions and Framework of Analysis	397
B. Contract Formation	398
C. Incompleteness of Contracts	400
D. Interpretation of Contracts	401
E. Damage Measures for Breach of Contract.....	401
F. Specific Performance	407
G. Renegotiation.....	410
H. Legal Overriding of Contracts	412

I. Extralegal Means of Enforcement.....	413
5. Civil Litigation	414
A. Bringing of Suit	414
B. Settlement versus Trial.....	420
C. Trial.....	427
6. Public Law Enforcement and Criminal Law	429
A. Basic Framework.....	429
B. Enforcement Given the Probability of Detection	430
C. Enforcement When the Probability of Detection Is Variable	432
D. Monetary Sanctions versus Imprisonment	434
E. Incapacitation	434
F. Criminal Law	435
7. Welfare Economics	437
A. Framework of Welfare Economics	437
B. Distributional Objectives Should Not Affect Legal Policy, Given Income Taxation	438
C. Normative Analysis Based on Notions of Fairness (Apart from the Purely Distributional).....	438
D. Remarks.....	440
8. Criticism of Economic Analysis of Law	441
A. Inability to Predict Human Behavior and Irrationality	441
B. Indeterminacy of Recommendations	442
C. Political Bias.....	442
9. Suggestions for Further Reading.....	443
8. Fundamentals of Statistical Analysis	445
1. Descriptive Statistics	446
A. Making Sense of Data.....	447
B. Histograms and Frequency Distributions.....	447
C. Numerical Descriptors/Summaries of Distributions.....	457
D. The Normal Distribution	464
E. Z-Scores and the Z-Table	467
2. One-Variable Inferential Statistics	469
A. Samples and Sampling.....	469
B. Survey Data and Validity	472

C. Hypothesis Testing	476
D. Estimation.....	483
E. Statistical Significance and the Real World	484
3. Suggestions for Further Reading.....	486
Z-Table	487
9. Multivariate Statistics	489
1. Bivariate Statistics.....	489
A. Scatterplots.....	490
B. Linear Relationships.....	492
C. The Pearson Correlation Coefficient	494
D. Simple Linear Regression	501
E. Residuals	510
F. Limitations of Linear Regression.....	512
2. Multiple Regression	513
A. Multiple Regression and Discrimination Litigation	515
B. Things That Can Go Wrong	521
3. Suggestions for Further Reading.....	524
T-Table (abbreviated).....	526
Glossary of Statistical Terms	527
Index	535