

Contents

xi	<i>Foreword</i>
1	Introduction
7	1 Incentives in Economic Thought
8	1.1 Adam Smith and Incentive Contracts in Agriculture
11	1.2 Chester Barnard and Incentives in Management
14	1.3 Hume, Wicksell, Groves: The Free-Rider Problem
15	1.4 Borda, Bowen, Vickrey: Incentives in Voting
18	1.5 Léon Walras and the Regulation of Natural Monopolies
18	1.6 Knight, Arrow, Pauly: Incentives in Insurance
20	1.7 Sidgwick, Vickrey, Mirrlees: Redistribution and Incentives
22	1.8 Dupuit, Edgeworth, Pigou: Price Discrimination
23	1.9 Incentives in Planned Economies
25	1.10 Leonid Hurwicz and Mechanism Design
27	1.11 Auctions

28	2 The Rent Extraction-Efficiency Trade-Off
32	2.1 The Basic Model
33	2.2 The Complete Information Optimal Contract
36	2.3 Incentive Feasible Menu of Contracts
39	2.4 Information Rents
40	2.5 The Optimization Program of the Principal
41	2.6 The Rent Extraction-Efficiency Trade-Off
46	2.7 The Theory of the Firm Under Asymmetric Information
48	2.8 Asymmetric Information and Marginal Cost Pricing
48	2.9 The Revelation Principle
51	2.10 A More General Utility Function for the Agent
57	2.11 <i>Ex Ante</i> versus <i>Ex Post</i> Participation Constraints
63	2.12 Commitment
65	2.13 Stochastic Mechanisms ★
68	2.14 Informative Signals to Improve Contracting ★
72	2.15 Contract Theory at Work
81	Appendix
82	3 Incentive and Participation Constraints with Adverse Selection ★
86	3.1 More than Two Types
93	3.2 Multidimensional Asymmetric Information
101	3.3 Type-Dependent Participation Constraint and Countervailing Incentives
115	3.4 Random Participation Constraint
118	3.5 Limited Liability
121	3.6 Audit Mechanisms and Costly State Verification
130	3.7 Redistributive Concerns and the Efficiency-Equity Trade-Off
134	Appendices
145	4 Moral Hazard: The Basic Trade-Offs
148	4.1 The Model
153	4.2 Risk Neutrality and First-Best Implementation

155	4.3 The Trade-Off Between Limited Liability Rent Extraction and Efficiency
158	4.4 The Trade-Off Between Insurance and Efficiency
163	4.5 More than Two Levels of Performance
167	4.6 Informative Signals to Improve Contracting
172	4.7 Moral Hazard and the Theory of the Firm
174	4.8 Contract Theory at Work
184	4.9 Commitment Under Moral Hazard ★
185	Appendices
187	5 Incentive and Participation Constraints with Moral Hazard ★
191	5.1 More than Two Levels of Effort
203	5.2 The Multitask Incentive Problem
226	5.3 Nonseparability of the Utility Function
232	5.4 Redistribution and Moral Hazard
235	Appendices
240	6 Nonverifiability
242	6.1 No Contract at Date 0 and <i>Ex Post</i> Bargaining
244	6.2 Incentive Compatible Contract
246	6.3 Nash Implementation
256	6.4 Subgame-Perfect Implementation ★
261	6.5 Risk Aversion ★
264	6.6 Concluding Remarks
265	7 Mixed Models ★
269	7.1 Adverse Selection Followed by Moral Hazard
294	7.2 Moral Hazard Followed by Adverse Selection
298	7.3 Moral Hazard Followed by Nonverifiability

303	8 Dynamics under Full Commitment
307	8.1 Repeated Adverse Selection
319	8.2 Repeated Moral Hazard
342	8.3 Constraints on Transfers: The Role of Implicit Incentives
347	9 Limits and Extensions
351	9.1 Informed Principal ★
360	9.2 Limits to Enforcement
364	9.3 Dynamics and Limited Commitment
370	9.4 The Hold-Up Problem
375	9.5 Limits to the Complexity of Contracts ★
387	9.6 Limits in the Action Space ★
391	9.7 Limits to Rational Behavior
395	9.8 Endogenous Information Structures ★
399	<i>References</i>
413	<i>Author Index</i>
417	<i>Subject Index</i>