

Contents

Foreword	V
1	Monetary Theory, Monetary Policy, and Financial Markets	1
1.1	Introduction.....	1
1.2	Modeling the Transmission of Monetary Impulses.....	2
1.2.1	Money in Dynamically Optimizing General Equilibrium Models.....	2
1.2.2	The Credit Channel of Monetary Transmission.....	5
1.2.3	Empirical Evidence From Vector Autoregressions.....	7
1.2.3.1	Evidence on the Liquidity Effect	8
1.2.3.2	Evidence on the Credit Channel.....	9
1.3	Design of Monetary Policy	10
1.3.1	Monetary Policy Institutions	10
1.3.1.1	Time-consistency and Credibility of Monetary Policy	10
1.3.1.2	Central Bank Independence	11
1.3.1.3	Optimal Contracts for Central Bankers	13
1.3.2	Monetary Policy Strategies and Intermediate Targets	14
1.3.2.1	Monetary Targeting	15
1.3.2.2	Inflation Targeting	16
1.3.2.3	Taylor Rules.....	16
1.4	Monetary Stability and Financial Stability.....	17

1.4.1	Financial Integration and Financial Stability	18
1.4.2	Microeconomic Aspects: Financial Market Regulation	19
1.4.2.1	The Traditional Approach to Financial Regulation.....	19
1.4.2.2	New Regulatory Approaches	20
1.4.3	Macroeconomic Aspects: Currency and Financial Crises.....	22
1.4.3.1	Theoretical Models of Currency Crises	22
1.4.3.2	Empirical Studies	24
1.4.4	New International Financial Architecture	25
1.5	Conclusions.....	26
2	Public Economics.....	37
2.1	Introduction.....	37
2.2	Unemployment and Taxation.....	38
2.2.1	Efficiency Wage Models.....	39
2.2.2	Trade Union Wage Setting.....	42
2.2.3	Some Empirical Evidence.....	45
2.2.4	Relevance And Consequences	48
2.3	Public Pension Reform.....	51
2.3.1	Pay-As-You-Go Versus Capital Funded Pension Systems – And a Misunderstanding	52
2.3.2	Is a Pareto-superior Transition From PAYG to FS Possible? ..	54
2.3.3	Pension Reform and Intergenerational Redistribution	58
2.3.4	Relevance and Consequences	65
2.4	Reform of Capital Income Taxation in Europe.....	66
2.4.1	Problems of Capital Income Taxation.....	68
2.4.2	Reform Models for Capital Income Taxation	72
2.4.3	Relevance and Consequences	79
2.5	Summary.....	83
3	Labor Economics.....	95
3.1	Introduction.....	95

3.2	Theoretical Concepts.....	96
3.2.1	Determinants of the Global Economy.....	97
3.2.1.1	Trade as a Cause of Crisis.....	97
3.2.1.2	Capital Flight.....	98
3.2.1.3	Immigration.....	98
3.2.2	Political Abstinance	98
3.2.2.1	Political Incompetence.....	99
3.2.2.2	Natural Unemployment.....	99
3.2.2.3	Rational Expectations	99
3.2.2.4	Intertemporal Substitution.....	100
3.2.2.5	Real Business Cycle.....	100
3.2.3	Management of Employment Through Global Control.....	100
3.2.3.1	Keynesianism.....	101
3.2.3.2	Rigid Wage and Price Mechanisms	102
3.2.3.3	Money Illusion and Adaptive Expectations	102
3.2.4	Supply-Oriented Theories of Employment.....	103
3.2.4.1	Supply-Side Economics	103
3.2.4.2	Determinants of Economic Growth	104
3.2.5	Institutions and Sectors	105
3.2.5.1	Structural Change.....	105
3.2.5.2	Wage Determination and Wage Rigidities.....	105
3.2.5.3	Hysteresis.....	106
3.2.5.4	The Role of the Welfare State.....	107
3.2.6	Assessment.....	107
3.3	Frontiers of Labor Research.....	108
3.3.1	Topical Issues.....	109
3.3.1.1	The Limits of the Neoclassical Approach to the Labor Market	109
3.3.1.2	Minimum Wages.....	110
3.3.1.3	The "Third Sector" as an Alternative to Paid Work.....	110

3.3.2	Methodological Developments	111
3.3.2.1	Current Situation and Potential	111
3.3.2.2	Recent Methods and Research Strategies.....	112
3.3.2.3	Data, Evaluation, and Comparative Analysis.....	113
3.3.3	Information and Communication Technology	114
3.3.4	Low-Wage Sector	117
3.3.5	Methodology of Program Evaluation.....	118
3.3.6	Assessment.....	120
3.4	Research Requirements for Policy Advice.....	120
4	Institutions and Transformation – Possible Policy Implications of the New Institutional Economics	127
4.1	Introduction.....	127
4.2	Theory.....	128
4.2.1	Development of the NIE	128
4.2.2	Basic assumptions	129
4.2.3	Institutions.....	131
4.2.4	Central research topics	134
4.2.5	Core hypotheses	138
4.3	Empirical Insights	139
4.3.1	Methodological questions	140
4.3.2	Empirical evidence.....	143
4.4	Institutions and Transformation.....	150
4.4.1	Institutions and transformation: the traditional view	151
4.1.2	Institutions and transformation: The view of NIE	159
4.1.2.1	Initial conditions, path and results of transition: institutions matter	159
4.1.2.2	External and internal institutions: relevance and relationship..	162
4.1.3	Final remarks	168
4.5	Data Desiderata	170
4.6	Policy Implications	172

4.7	Conclusions and Outlook	175
5	Antitrust and Regulation – The View of New Institutional Economics	185
5.1	Introduction.....	185
5.2	New Institutional Economics of Antitrust and Regulation: Methodological Issues.....	186
5.2.1	Basic analytical concepts of New Institutional Economics.....	186
5.2.2	Implications for industrial organization	189
5.2.3	Implications for antitrust and regulation	192
5.2.3.1	Substantive provisions and rules	194
5.2.3.2	Governance of antitrust and regulation.....	202
5.3	Selected Current Issues in Antitrust and Regulation.....	206
5.3.1	Vertical restraints in European antitrust law	206
5.3.2	Regulation in traditional network industries – the case of the electricity industry.....	213
5.3.3	The allocation of regulatory competencies in the EU: Federal aspects.....	216
5.4	Research Needs and Implications for Economic Policy Making and Economic Policy Advice.....	225
6	Economics of Networks.....	235
6.1	Why Economics of Networks?.....	235
6.2	The Agenda of Network Economics in Economic Theory	236
6.2.1	Real and virtual networks	240
6.2.2	Network licensing	240
6.2.3	Network externalities and lock-in effects.....	241
6.2.4	From historical to managed lock-in	242
6.2.5	Regulatory issues on networks.....	243
6.2.5.1	Regulatory issues concerning virtual networks.....	244
6.2.5.2	Standardization policy.....	244
6.2.5.3	Innovation externalities and intellectual property rights.....	245

6.2.5.4	Assignment of property rights when innovation externalities are present	246
6.2.6	Networks and asymmetric information	247
6.2.7	Network stability, volatility, and stabilization policy	248
6.3	Current Demand for Research with Significant Implications for Policy Institutions.....	250
6.3.1	Networks of Information and Communication	251
6.3.2	Challenges for economic policy advice	254
6.3.3	Competition policy and market regulation.....	254
6.3.4	Merger and acquisition control	256
6.3.5	Globalization and technological convergence	258
6.3.6	Technology and industrial policy issues	260
6.3.7	Enhancing the information base.....	260
7	Growth, Structural Change, and Employment.....	269
7.1	Introduction.....	269
7.2	New Developments in Growth Theory	270
7.3	Convergence Processes and the Catching-Up Hypothesis	273
7.4	Social Conflicts, Income Distribution, and Growth	276
7.5	Technological Change, Structural Change, and Employment .	279
7.6	Beyond Intersectoral Change – Market-Driven Restructuring of Corporations	282
7.7	Growth and Employment Implications of the New Information and Communications Technologies	285
7.8	Industrial Policy Concepts	289
7.9	Growth-Policy Goals of EU Countries at the Beginning of the New Millennium	302
8	Economics of the Personal Distribution of Income	311
8.1	Introduction.....	311
8.2	Describing the Personal Distribution of Income	313
8.2.1	Problems of Defining and Measuring Income	313

8.2.1.1	Conceptual Problems	313
8.2.1.2	Measures of Inequality.....	316
8.2.1.3	Income poverty as a special problem of the personal distribution of income	322
8.2.2	Subjective Measures of "Income Satisfaction" and "Life Satisfaction"	324
8.2.3	Availability of Data.....	327
8.2.4	Selected Descriptive Results for Germany.....	331
8.2.4.1	Trends of income inequality and income poverty.....	331
8.2.4.2	Income mobility	332
8.3	Explaining the Personal Distribution of Income and Income Mobility.....	336
8.3.1	Overview of Determinants of the Personal Distribution of Market Incomes across Recipients.....	336
8.3.2	Overview of Determinants of the Personal Distribution of Disposable Income and of Net Equivalent Income across Individuals.....	340
8.3.3	Decomposition Methods and Results.....	342
8.3.4	Comparison of Pre-government and Post-government Income as an Analytical Tool	346
8.3.5	Explaining Income Mobility	349
8.3.6	Income as a Determinant of Spending, Saving, Investment and Labor Behavior.....	350
8.4	Evaluating the Personal Distribution of Income	351
8.4.1	Theories of a "Just" Distribution of Income.....	352
8.4.2	Measuring Equality of Opportunity	354
8.4.3	Measuring Attitudes toward Income Inequality.....	355
8.5	Policy Instruments for Influencing the Personal Distribution of Income	355
8.6	Summary and Recommendations.....	356
8.6.1	State of Research.....	356
8.6.2	Further Development of Theory and Methods.....	357

8.6.3	Further Development of Empirical Research.....	357
9	Game Theory and Experimental Economics.....	371
9.1	Introduction.....	371
9.1.1	Game theory.....	371
9.1.1.1	Characteristics and possibilities of game theory	372
9.1.1.2	Basic principles of game theory	373
9.1.2	Experimental economics	376
9.1.2.1	The experimental method.....	376
9.1.2.2	The possibilities of experimental economics	377
9.2	Applications of Game Theory and Experimental Economics..	378
9.2.1	Market games	378
9.2.1.1	Market entry.....	378
9.2.1.2	Price war induced by innovation.....	384
9.2.2	Political decision-making processes.....	389
9.2.2.1	Budget processes.....	390
9.2.2.2	A voting model based on game theory.....	391
9.2.2.3	Experimental studies	394
9.2.3	Evolutionary game theory.....	395
9.2.3.1	Corporate cultures	395
9.2.3.2	An evolutionary explanation.....	396
9.2.4	Contract theory.....	401
9.2.5	Auctions	404
9.2.5.1	A short introduction to auction theory	404
9.2.5.2	Selling spectrum rights.....	406
9.2.5.3	Awarding mobile communication licenses in Germany	407
9.2.5.4	Recommendations for further license auctions	408
9.2.6	Environmental politics	409
9.2.6.1	The environmental problem from an economic point of view.	409

9.2.6.2	The analysis of the environmental problem based on game theory	410
9.2.6.3	Experimental research.....	414
9.2.6.4	Consequences for environmental policy	414
9.3	Conclusion	415
9.3.1	Summary	415
9.3.2	Recommendations and needs for further research	416
10	Summary and Recommendations	421
10.1	Introduction.....	421
10.2	New developments in economics: A summary.....	421
10.2.1	The individual fields of research.....	421
10.2.1.1	Monetary economics, monetary policy and financial markets (J. von Hagen, B. Hayo and I. Fender)	421
10.2.1.2	Public Finance (S. Bach and W. Wiegard).....	423
10.2.1.3	Labour economics (K. F. Zimmermann and G. G. Wagner) ...	426
10.2.1.4	Institutions and Transformation – Possible policy implications of New Institutional Economics (H. Engerer and S. Voigt).....	429
10.2.1.5	Competition Policy and Regulation-The view of New Institutional Economics (F. Bickenbach, L. Kumkar, and R. Soltwedel)	431
10.2.1.6	Networks Economics (G. Erber and H. Hagemann).....	436
10.2.1.7	Growth, Structural Change and Employment (G. Erber and H. Hagemann).....	439
10.2.1.8	Personal income distribution (R. Hauser and G. G. Wagner) ..	442
10.2.1.9	Game Theory and Experimental Economics (S. Berninghaus, K. M. Ehrhart, A. Kirstein and S. Seifert)....	445
10.2.2	Selected Research Projects.....	449
10.2.2.1	Theoretical and Methodical Studies.....	449
10.2.2.2	Statistical Recording	451
10.3	Economic Research and Advice: Fourteen Theses and Recommendations.....	452

10.3.1	Economic Teaching and Research: Strengthening Methodical Competence.....	453
10.3.2	Organisation of the Statistical Infrastructure: Closer Alignment with Science	456
10.3.3	Universities and Economic Research Institutes: Co-operation and Competition.....	457
10.3.4	Organisation of policy advice: More plurality and transparency	459
	List of Tables.....	463
	List of Figures	465
	List of Authors	467
	Subject Index.....	471