Contents

List of Figures List of Tables		<i>page</i> xi
		XV
Preface	·	
Part I I	ntroduction to the Financial and Monetary Regime	
1 The	Financial and Monetary Regime	3
1.1	Introduction	3
1.2	A Country's Financial and Monetary Regime	4
1.3	The Real and Financial Sectors of the Economy	5
1.4	Measuring Economic Performance	6
1.5	Data Sources and Components of a Time Series	13
1.6	The Financial and Monetary Regime and Economic	
	Performance	17
1.7	Periods of Major Economic and Financial Distress and the	
	Financial and Monetary Regime	20
1.8	The United States	20
1.9	Germany and Japan	25
2 Basic	c Concepts Regarding Money	30
2.1	Introduction	30
2.2	The Concept and Measurement of Money	30
2.3	The Value of Money	41
2.4	The Upward Bias in the CPI and the Boskin "1.1% Bias"	42
2.5	The Evolution of Monetary Standards	45
2.6	The Relationship between Money and Economic Activity	51

Part II The Financial System Component of the Financial and Monetary Regime

3	The l	Financial System and the Country's Flow of Funds	57
	3.1	Introduction	57
	3.2	The Financial System from the Perspective of the Country's	
		Flow of Funds	58
	3.3	Sector Budgets, Income and Balance Sheets and the	
		Fundamental Flow of Funds Equation	59
	3.4	The Financial System in Terms of Surplus, Deficit and Balanced	
		Sectors	63
	3.5	Two Channels of Finance: Direct and Indirect Finance	64
	3.6	Bringing It Together: A Flow of Funds Matrix of the Economy	72
4	Inter	est Rates in the Financial System	75
	4.1	Introduction	75
	4.2	Interest Rates Connect the Present to the Future, and Vice Versa	76
	4.3	Interest Rates in Indirect and Direct Finance	77
	4.4	Government Interest Rate Regulation	79
	4.5	A Short History of Interest Rate Regulation	80
	4.6	Basic Technical Aspects of Interest Rates	82
5	The I	evel of Interest Rates	92
	5.1	Introduction	92
	5.2	The Level of the Interest Rate: Loanable Funds and Liquidity	
		Preference	93
	5.3	The Loanable Funds Approach to Understanding the Interest	
		Rate	94
	5.4	The Supply of Loanable Funds Function or Lending	95
	5.5	The Demand for Loanable Funds Function or Borrowing	97
	5.6	Bringing Supply and Demand Together: Examples	99
	5.7	Policy Implications: Government versus the Central Bank	102
	5.8	The Nominal Interest Rate and the Real Interest Rate	106
	5.9	A Note on Negative Interest Rates	111
	5.10	Interest Rates and Monetary Policy	112
		tructure of Interest Rates	115
	6.1	Introduction	115
	6.2	Default Risk	117
	6.3	Liquidity or Marketability Effect	119
	6.4	Tax Treatment	120
1	6.5	Maturity: The Term Structure of Interest Rates and the Yield	
		Curve	121
	6.6	What Explains the Shape of the Yield Curve?	122
1	6.7	The Yield Curve as a Rorschach Inkblot Test of Expected	
		Inflation	128

6.8	The Yield Curve as a Rorschach Inkblot Test of the Business	
	Cycle	130
6.9	The Yield Curve as a Rorschach Inkblot Test of Both Inflation	
	and the Business Cycle	131
7 Inter	national Dimensions of the Financial System	132
7.1	Introduction	132
7.2	U.S. Statement of International Transactions	132
7.3	Foreign Exchange Rates and the Foreign Exchange Market	136
7.4	The Exchange Rate	137
7.5	Foreign Exchange Intervention by the Central Bank	145
7.6	Exchange Rate Regimes	146
7.7	Fixed Exchange Rates: Basics, History and Demise	146
7.8	The Flexible Exchange Rate System	150
7.9	Persistent U.S. Current Account Deficits and the Flexible	
	Exchange Rate System	151
Part III	The Role of Government in the Financial and	
	ry Regime	
8 The I	Basic Roles of Government in the Financial and	
Mone	etary Regime	157
8.1	Introduction	157
8.2	The Beginning of Government Involvement: Minting Coin and	
	Gresham's Law	159
8.3	The Inherent Problem of a Commodity-Based Monetary	
	System: Money Not Responsive to Needs of Trade	160
8.4	Two Inherent Problems of an Inverted Pyramid Monetary	
	System	164
8.5	Government Resolution of the Problems of Commodity-Based	
	Systems and Fractional Reserve Systems	168
8.6	Institutionalization of Government's Role in the U.S. Financial	
	and Monetary Regime	170
8.7	Extended Rationales for Government Involvement	172
8.8	Government Involvement Has a Downside: Government Failure	
	Is as Important as Market Failure	176
8.9	The Influence of Economic Ideas, History and Politics on	
	Government Involvement in the Nation's Financial and	
	Monetary Regime	181
9 Regu	lation and Supervision of the Financial System	184
9.1	Introduction	184
9.2	Asymmetric Information, Adverse Selection and Lemons	184
9.3	Government Regulation and Supervision of Indirect Finance	186

	9.4	Government Regulation and Supervision of Depository	
		Financial Institutions	187
		9.4.1 Deposit Insurance	187
		9.4.2 Reserve Requirements	190
		9.4.3 Capital—Asset Requirements	192
		9.4.4 Supervision and Oversight: CAMELS Rating System	194
		9.4.5 Supervisory Stress Testing	195
	9.5	Government Regulation and Supervision of Nondepository	
		Financial Institutions	196
!	9.6	Ensuring Transparency in the Money and Capital Markets	199
•	9.7	The Expanded Role of the Federal Reserve as a Regulatory and	
		Supervisory Agency	203
10 A	Sh	ort History of the U.S. Financial and Monetary Regime	
ir	n Tra	ansition	206
10	0.1	Introduction	206
10	0.2	A Taxonomy of a Changing Financial and Monetary Regime	207
10	0.3	Major Turning Points in the Transition of the U.S. Financial and	
		Monetary Regime: A Brief History from 1776 to the Present	211
	0.4	1776 to 1863	212
		1863 to 1913	215
10	0.6	1913 to 1929	217
10	0.7	1929 to 1965	219
10	0.8	1965 to 1979	223
10	0.9	1980 and Beyond	226
Part 1	IV]	Five Steps to Understanding Central Banks and	
Centi	ral I	Bank Policy	
11 T	he F	ive Steps and Step 1: The Institutional Design of the Central	
Ba	ank		233
11	1.1	Introduction	233
11	1.2	The Institutional Design of the Central Bank	234
11	1.3	Why a Government Central Bank?	234
11	1.4	Ownership of the Central Bank	238
11	1.5	Central Banks as Financial and Regulatory Authorities	240
11	1.6	Central Bank Independence from Government	242
11	1.7	Two Important Institutional Redesigns of Central Banks	249
11	1.8	The Institutional Design of the Federal Reserve System	250
11	.9	The Structure of the Federal Reserve System in the Broad Sense	251
11	.10	Where's the Power?	254
11	.11	The Federal Reserve and Central Bank Institutional Redesigns	255

12	Cent	ral Banks, Base Money and the Money Supply	258
	12.1	Introduction	258
	12.2	The Money Supply Process in Two Parts	258
	12.3	Part 1: A Simple Illustration of the Inverted Pyramid	258
	12.4	Part 2: The Money Supply Process in More Detail	267
	12.5	An Illustration of the Money Supply Process	271
	12.6	Central Banks, Base Money, the Money Supply Process and	
		Developments since 2007	273
13	Step 2	2: The Tools of Monetary Policy; and Step 3: Monetary Policy	
	Instr	uments	279
	13.1	Introduction	279
	13.2	The Tools of Monetary Policy and the Decline of Selective Tools	279
	13.3	General Tools of Monetary Policy	281
	13.4	Moral Suasion and Forward Guidance	286
	13.5	The Monetary Policy Instruments	287
14	Step 4	4: The Central Bank Model of the Economy	294
	14.1	Introduction	294
	14.2	Macroeconomic Models of the Economy: Beginnings	295
	14.3	Why Models Are Important and the Historical Evolution of	
		Models	295
	14.4	After Keynes: Evolution of the Central Bank Model of the	
		Economy	303
	14.5	The Rise of the Phillips Curve	303
	14.6	The Fall of the Phillips Curve and Rise of the "New" Phillips	
		Curve	306
	14.7	Policy Implications and Continued Debate	313
	14.8	The Aggregate Demand and Supply Model	314
15	Step :	5: Final Policy Targets	320
	15.1	Introduction	320
	15.2	Evolution of the Final Policy Targets	320
	15.3	Neoclassical Perspective	323
	15.4	A Steady and Low Rate of Inflation	324
	15.5	Caution in Responding to Demand and Supply Shocks in the	
		Short Run	326
	15.6	Neo-Keynesian Perspective: Despite Agreement on Some	
		Issues, Differences Still Exist	329
	15.7	The Primacy of Price Stability and Inflation Targeting	330
	15.8	Final Policy Targets in the Context of Other Central Bank	
		Objectives	333
	15.9	Evolution of Federal Reserve Final Policy Targets and the	
		"Dual" Mandate	334

16	Mone	etary Policy Tactics, Strategy and Rules versus Discretion	339
	16.1	Introduction	339
	16.2	The FOMC and Monetary Policy	340
	16.3	Transparency of the Tactics and Strategy of Monetary Policy	344
	16.4	Evolution of Federal Reserve Tactics	345
	16.5	The Taylor Rule: Introduction to the Discretion versus Rules	
		Debate	347
	16.6	The Rules versus Discretion Debate	350
	16.7	Arguments of the Advocates of Rules and Discretion	351
	16.8	The Lucas Critique	353
	16.9	Time Inconsistency	354
	16.10	Solutions to the Lucas Critique and Time Inconsistency	357
	16.11	Central Bank Response to the Lucas Critique and Time	
		Inconsistency	358
Pa	rt V P	Performance of the U.S. Financial and Monetary Regime	
17	Five I	mportant Periods in the U.S. Financial and Monetary Regime	363
	17.1	Introduction	363
	17.2	Prelude to the Great Depression	364
	17.3	The Great Depression	366
	17.4	Role of the Federal Reserve	367
	17.5	Aftermath: Redesigning the Federal Reserve, Government	
		Financial Regulation and the Financial System	370
	17.6	The Great Inflation: A Clash of Federal Reserve Policy Errors	
		and Flawed Financial Regulation	372
	17.7	Financial Liberalization and the Great Moderation	376
	17.8	The Great Moderation	378
	17.9	End of the Great Moderation and Concern about Financial	
		Liberalization	380
	17.10	The Great Recession: Two Views	381
	17.11	Asset Bubbles à la Minsky	382
	17.12	The Central Role of the Real Estate Bubble in the Great	
		Recession	384
	17.13	Unprecedented Easy Monetary Policy	385
	17.14	Social Contract to Support Homeownership Greatly Expanded	386
		The Federal Reserve after the Collapse of the Housing Bubble,	
		the Great Recession and Challenges	389
Ind	ρΥ		396