

Contents

<i>List of figures</i>	xi
<i>List of tables</i>	xiii
<i>List of boxes</i>	xv
<i>List of abbreviations</i>	xvi
<i>Introduction</i>	xviii

Part I. Theoretical Fundaments of Monetary Policy

1. What is money?	3
1.1. <i>Introduction</i>	3
1.2. <i>A microeconomic approach to the definition of money</i>	4
1.3. <i>Defining money by its functions</i>	11
1.4. <i>Defining money by its statistical properties</i>	14
1.5. <i>The importance of a 'correct' definition of money</i>	15
Appendix 1.1. <i>Definitions of money in the euro area, the United States, Japan, and the UK</i>	15
Appendix 1.2. <i>The concept of (net) financial assets (flow of funds analysis)</i>	17
2. The demand for money	20
2.1. <i>Introduction</i>	20
2.2. <i>The quantity theory of money and the Cambridge approach</i>	21
2.3. <i>The interest rate as a determinant of the money demand</i>	23
2.4. <i>The money demand function of Cagan</i>	32
2.5. <i>Wealth as a determinant of the demand for money</i>	32
2.6. <i>Empirical demand functions for money</i>	34
Appendix 2.1. <i>Cointegration</i>	38
3. The money supply process: starting point of the transmission process	40
3.1. <i>Introduction</i>	40
3.2. <i>Creation and control of the monetary base by the central bank</i>	41
3.3. <i>Consolidated balance sheet of the banking system and the supply of the money stock</i>	46

3.4. <i>The mechanistic multiplier process</i>	48
3.5. <i>A price-theoretic model of the money supply</i>	53
Appendix 3.1. <i>A 'Poole analysis' for shocks</i>	65
4. Monetary policy transmission	71
4.1. <i>Introduction</i>	71
4.2. <i>Limited knowledge about the transmission process</i>	73
4.3. <i>The quantity theory channel</i>	74
4.4. <i>Interest rate channels</i>	80
4.5. <i>Expectations channels (the 'Phillips curve')</i>	95
4.6. <i>Summary</i>	115
Appendix 4.1. <i>The original Poole model</i>	116
Appendix 4.2. <i>The concept of the 'price gap'</i>	121
 Part II. Domestic Aspects of Monetary Policy	
5. The ultimate goal and the final targets of monetary policy	127
5.1. <i>Introduction</i>	127
5.2. <i>The long-term view: only price stability matters</i>	131
5.3. <i>Inflation and output growth in the short run</i>	148
5.4. <i>Operational issues of a 'stability-oriented monetary policy'</i>	153
5.5. <i>Summary</i>	160
Appendix 5.1. <i>Different variants of the nominal GDP targeting</i>	161
Appendix 5.2. <i>Calculating the welfare losses of sub-optimal money holdings</i>	162
6. The institutional framework for monetary policy I: 'rules versus discretion'	164
6.1. <i>Overview</i>	164
6.2. <i>Rules versus discretion in monetary policy</i>	165
6.3. <i>The main arguments for limiting the discretion of central bankers</i>	165
6.4. <i>Rules that are imposed on central banks from outside</i>	169
6.5. <i>Summary of the traditional debate</i>	174
6.6. <i>'Time inconsistency': a new argument in support of rules?</i>	174
Appendix 6.1. <i>The debate between the Banking School and the Currency School</i>	202
7. The institutional framework of monetary policy II: the design of the central bank legislation	205
7.1. <i>Overview</i>	205
7.2. <i>Independence of monetary policy</i>	207

Contents

ix

7.3. <i>Accountability of central banks</i>	220
7.4. <i>Liability of incompetent central bankers</i>	228
Appendix 7.1. <i>The functions of central banks and the technology of the payments systems</i>	234
8. Strategies ('simple rules') for a stability-oriented monetary policy	240
8.1. <i>The function of simple rules</i>	240
8.2. <i>'Simple rules', intermediate targets, and indicators of monetary policy</i>	245
8.3. <i>Monetary targeting</i>	248
8.4. <i>Inflation targeting</i>	257
8.5. <i>The Taylor rule: a rule for an operating target</i>	268
8.6. <i>A nominal GDP rule</i>	274
Appendix 8.1. <i>The yield structure as an indicator of the stance of monetary policy</i>	282
9. The conduct of monetary policy by the world's major central banks	293
9.1. <i>A comparison of the performance of central banks</i>	293
9.2. <i>The monetary policy framework of the Deutsche Bundesbank</i>	295
9.3. <i>The monetary policy framework of the European Central Bank</i>	300
9.4. <i>The monetary policy framework of the Federal Reserve System</i>	307
9.5. <i>The monetary policy framework of the Bank of Japan</i>	311
9.6. <i>The monetary policy framework of the Bank of England</i>	317
10. The instruments of monetary policy	321
10.1. <i>Basic requirements</i>	321
10.2. <i>Monetary base targeting v. interest rate targeting</i>	323
10.3. <i>Significance of individual monetary policy instruments</i>	336
10.4. <i>Money market management by the European Central Bank</i>	348
10.5. <i>Money market management by the Federal Reserve System</i>	358
10.6. <i>Money market management by the Bank of England</i>	361
10.7. <i>Money market management by the Bank of Japan</i>	364
10.8. <i>The New Political Economy and monetary policy instruments</i>	365
11. Seigniorage and inflation tax	369
11.1. <i>Introduction</i>	369
11.2. <i>Monetary seigniorage and fiscal seigniorage</i>	370
11.3. <i>Macroeconomic stability and seigniorage financing</i>	372
11.4. <i>Optimal seigniorage</i>	382

Part III. Monetary Policy in an Open Economy

12. Important building blocks of open-economy macroeconomics	387
12.1. <i>Introduction</i>	387
12.2. <i>The exchange rate as an operating target of monetary policy</i>	388
12.3. <i>The exchange rate as an intermediate target of monetary policy</i>	391
12.4. <i>The control of the price level in an open economy</i>	403
13. Monetary policy strategies in an open economy	410
13.1. <i>Introduction</i>	410
13.2. <i>Large-currency areas</i>	411
13.3. <i>Small open economies with targeted exchange rates</i>	412
<i>References</i>	429
<i>Index of names</i>	447
<i>Index of subjects</i>	450