

CONTENTS

FOREWORD TO THE FIRST EDITION / v

PREFACE / vii

CHAPTER 1

THE BACKGROUND OF MACROECONOMIC THEORY / 3

Macroeconomics and Microeconomics / 4

Macroeconomics—Classical and Keynesian / 7

Part I

MACROECONOMIC MEASUREMENT: NATIONAL INCOME ACCOUNTING

CHAPTER 2

NATIONAL INCOME ACCOUNTING: TWO-SECTOR ECONOMY / 12

Income and Product / 14

Product Originating in the Single Firm / 16

Product Originating in the Business Sector / 20

Sector Accounts in the Two-Sector Economy / 24

Circular Flow in the Two-Sector Economy / 27

CHAPTER 3

NATIONAL INCOME ACCOUNTING: THREE-SECTOR ECONOMY / 31

Government Receipts / 35

Government Expenditures / 36

Government Production / 38

Household Production / 41
Production for the Economy as a Whole / 43
Three Measures of Output / 47
Personal Income / 49
Disposable Personal Income / 49
Gross National Product—From Sector of Origin to Sector of Demand / 50
Fundamental Identities in the Three-Sector Economy / 52
 Balanced Budget
 Deficit
 Surplus
Circular Flow in the Three-Sector Economy / 56

CHAPTER 4

NATIONAL INCOME ACCOUNTING: FOUR-SECTOR ECONOMY / 59

Net Foreign Investment / 60
Foreign Transfer Payments / 62
Foreign Transactions Account / 63
Circular Flow in the Four-Sector Economy / 66

CHAPTER 5

THE NATIONAL INCOME AND PRODUCT ACCOUNTS OF THE UNITED STATES / 69

The Official Accounting Framework / 69
 Relation of Gross National Product to Other Aggregates
 United States Economy—Circular Flow and Fundamental Identities
Gross National Product and National Income: The 1929–68 Statistical Record / 76
Problems in the National Income Accounts / 89
 Imputations
 Intermediate and Final Product
 Final Product—Consumption and Investment
 Change in Inventories and the Inventory Valuation Adjustment
 Final Product—Current and Constant Dollars

Part II

MACROECONOMIC THEORY: DETERMINATION OF NATIONAL INCOME AND OUTPUT

CHAPTER 6

BASIC CONCEPTS / 102

From Macroeconomic Accounting to Macroeconomic Theory / 103
Stocks and Flows / 105

Equilibrium and Disequilibrium / 108

Statics and Dynamics / 113

Comparative Statics

CHAPTER 7

THE EQUILIBRIUM LEVEL OF INCOME AND OUTPUT:

TWO-SECTOR ECONOMY / 117

Consumption Demand and the Consumption Function / 118

The Consumption Function

The Saving Function

Determination of the Equilibrium Level of Income and Output / 125

Equilibrium Income and Output

Equilibrium Income and Output—Equations

Disequilibrium Income and Output

Investment—Planned Versus Realized

CHAPTER 8

CHANGES IN THE EQUILIBRIUM LEVEL OF INCOME AND OUTPUT:

THE MULTIPLIER / 136

Shifts in the Aggregate Demand Function / 136

A Temporary Shift in the Aggregate Demand Function

A Permanent Shift in the Aggregate Demand Function

The Multiplier—A Shift in the Aggregate Demand Function / 143

The Multiplier—Equations / 146

Simple Income Determination—A Concluding Note / 149

CHAPTER 9

INCOME AND CONSUMPTION / 151

Cross-Section Analysis / 152

The Absolute Income Theory

The Relative Income Theory

The Permanent Income Theory

Time-Series Analysis / 163

Cyclical and Secular Consumption-Income Relationships / 170

Reconciling the Cyclical and Secular Relationships: The Absolute, Relative, and Permanent Income Theories / 174

The Absolute Income Theory

The Relative Income Theory

The Permanent Income Theory

Income and Consumption—A Concluding Note / 178

CHAPTER 10

OTHER FACTORS INFLUENCING CONSUMPTION / 181

Rate of Interest / 182

Price Level and Price Expectations / 185
 “Money Illusion”
 Price Expectations
Distribution of Income / 188
Consumer Assets / 192
 Financial Assets
 Nonfinancial Assets—The Stock of Durable Consumer Goods
Other Factors, in Brief / 198
Consumption Demand—A Concluding Note / 199

CHAPTER 11

CAPITAL AND INVESTMENT / 201

The Meaning of Capital and Investment / 202
The Decision to Invest / 204
 Three Elements Involved
 Investment Equations
 The Marginal Efficiency of Capital
 The Factor of Uncertainty
Stock of Capital and the Rate of Investment / 212
 A Fall in the Rate of Interest
 A Shift in the MEC Schedule
 A Summary Formulation
 The MEI Schedule: Long Run and Short Run
A Concluding Note / 223

CHAPTER 12

CHANGES IN INVESTMENT: I / 224

Expectations / 226
 Expectations as a Separate Factor
 Long-Term and Short-Term Expectations
 Expectations and Investment Instability
Technological Change and Innovation / 230
 The Meaning of Technological Change and Innovation
 Technological Change and Investment Demand
 Innovation and Investment Demand
 From the MEC Schedule to Income and Output
Level of Income and Output / 239
 Investment—Autonomous and Induced
 The Equilibrium Level of Income and Output
 Changes in the Equilibrium Level—The Super-Multiplier
 Investment as a Function of Income

CHAPTER 13

CHANGES IN INVESTMENT: II / 250

Changes in the Level of Income and Output / 250

Capital-Output Ratio

The Acceleration Principle

Assumptions Underlying the Acceleration Principle

The Rate of Interest and the Role of Finance / 256

Elasticity of the MEC Schedule and the Rate of Investment

Determinants of the Elasticity of the MEC Schedule

*Elasticity of the MEC Schedule—Structures, Producers' Durable
Equipment, and Business Inventories*

The Role of Finance—Beyond the Rate of Interest

A Concluding Note / 269

CHAPTER 14

GOVERNMENT DEMAND / 270

Fiscal Policy / 270

First Fiscal Model—Including Net Taxes and Government Purchases / 272

Second Fiscal Model—Including Gross Taxes, Government Purchases,
and Transfer Payments / 279

Third Fiscal Model—Including Gross Tax Receipts as a Function of Income,
Government Purchases, and Transfer Payments / 283

Fiscal Models and the Full-Employment Level of Income / 288

A Concluding Note / 291

CHAPTER 15

FOREIGN DEMAND / 293

Accounting Identities / 294

Equilibrium Level of Income and Output / 295

The Import Function

The Equilibrium Level of Income—Equations

The Equilibrium Level of Income—Graphs

A Digression on "Balance of Payments" Equilibrium

The Foreign-Trade Multiplier and Changes in the Level of Income / 302

Exports as a Function of Imports / 307

A Concluding Note / 309

CHAPTER 16

INCOME, OUTPUT, EMPLOYMENT, AND PRICES / 310

The Supply Curve—Firm and Industry / 311

The Firm's Supply Curve

The Industry's Supply Curve

The Aggregate Supply Function / 319

Derivation of the Aggregate Supply Function

Change in the Money Wage Rate

The Aggregate Supply and Aggregate Demand Functions / 323

Aggregate Supply, Aggregate Demand, and the Level of Employment / 327

Aggregate Supply, Aggregate Demand, and the Money Wage Rate / 329
Labor Productivity, the Wage Rate, and the Price Level / 331
A Concluding Note / 336

CHAPTER 17

THE CLASSICAL THEORY / 338

The Level of Output and Employment in Classical Theory / 339
Say's Law / 342
The Quantity Theory of Money / 344
 The Quantity Theory as a Theory of the Price Level
 The Quantity Theory as a Theory of Aggregate Demand
Classical Model without Saving and Investment / 348
 Effects of a Change in the Supply of Money
 Effects of a Change in the Supply of Labor
 Effects of a Change in the Demand for Labor
 Effects of a Rigid Money Wage
 Monetary Policy and Full Employment
Classical Model with Saving and Investment / 357
 Saving and Investment
 Changes in Saving and Investment
 Summary Statement
A Concluding Note / 362

CHAPTER 18

MONEY AND INTEREST / 364

Money and Other Assets / 365
The Demand for Money / 366
 Transactions Demand
 Precautionary Demand
 Speculative Demand
 Total Demand for Money
 The Supply of and the Demand for Money
The Equilibrium Rate of Interest / 379
Changes in the Equilibrium Rate of Interest / 380
 Changes in the Money Supply
 Changes in the Level of Income
 Changes in the Speculative Demand for Money
The Demand for Money—From Classical to Post-Keynesian Theory / 388

CHAPTER 19

INCOME, OUTPUT, MONEY, AND INTEREST / 393

The Goods Market and the Money Market / 394
 Equilibrium in the Goods Market
 Equilibrium in the Money Market

| | |
|---|-----|
| General Equilibrium—The Goods and Money Markets / | 399 |
| Changes in General Equilibrium / | 400 |
| <i>An Increase in Investment</i> | |
| <i>An Increase in the Money Supply</i> | |
| <i>A Simultaneous Increase in Investment and the Money Supply</i> | |
| Government Spending, Taxation, and General Equilibrium / | 404 |
| The IS and LM Elasticities and Monetary-Fiscal Policies / | 407 |
| <i>Elasticity of the IS and LM Functions</i> | |
| <i>Monetary and Fiscal Policy</i> | |
| The IS and LM Functions and Wage-Price Flexibility / | 413 |
| <i>Wage-Price Flexibility and the Interest-Rate Effect</i> | |
| <i>Wage-Price Flexibility and the Pigou Effect</i> | |
| <i>Wage-Price Flexibility and Other Effects</i> | |
| A Concluding Note / | 422 |

Part III

CYCLES, GROWTH, AND STABILIZATION

CHAPTER 20

BUSINESS CYCLE THEORY / 428

| | |
|--|-----|
| Schumpeter's Innovation Theory / | 430 |
| Kaldor's Model of the Cycle / | 434 |
| Samuelson's Multiplier-Accelerator Interaction / | 439 |
| <i>A Multiplier-Accelerator Model</i> | |
| <i>Variations on the Model</i> | |
| <i>The Multiplier-Accelerator Model and the Business Cycle</i> | |
| Hicks's Theory of the Business Cycle / | 448 |

CHAPTER 21

THE NATURE OF ECONOMIC GROWTH / 454

| | |
|---|-----|
| The Meaning and Measurement of Economic Growth / | 455 |
| Growth Record of the U.S. Economy / | 457 |
| The Sources of Past and Future Economic Growth in the United States / | 460 |
| Economic Growth—Developed and Underdeveloped Economies / | 465 |

CHAPTER 22

ECONOMIC GROWTH THEORY / 468

| | |
|--|-----|
| Harrod-Domar Growth Theory / | 469 |
| <i>Increase in Capacity Output</i> | |
| <i>Increase in Aggregate Demand</i> | |
| <i>The Equilibrium Rate of Growth</i> | |
| <i>Numerical Illustrations of the Growth Process</i> | |

A Graphic Representation of the Growth Process
The Addition of a Theory of Investment
The Employment of Labor
Neoclassical Growth Theory / 486
The Rate of Output Growth Without Technological Progress
The Rate of Output Growth per Capita
Technological Progress and Output Growth
The Embodiment of Technological Progress
A Concluding Note / 498

CHAPTER 23

THE THEORY OF INFLATION / 500

Inflation Defined / 500
Demand-Pull Inflation / 503
Simple Quantity Theory
Modern Quantity Theory and Keynesian Theory
Wage-Price Flexibility—The Inflation Case
Monetary Expansion and the Inflationary Gap
Cost-Push Inflation / 518
Wage-Push Inflation
Profit-Push Inflation
Inflation Control and the Phillips Curve
Demand-Pull Versus Cost-Push Inflation / 526
The Dilemma Model
The Demand-Shift Model
A Concluding Note / 531

CHAPTER 24

MACROECONOMIC POLICY / 533

Monetary Policy / 536
Instruments of Monetary Policy
Effectiveness of Monetary Policy in Recession
Effectiveness of Monetary Policy in Boom and Inflation
Fiscal Policy / 551
The Full-Employment Budget Surplus
Flexibility of Fiscal Policy
Variations in Government Purchases, Transfer Payments, and Taxes
Deficits and the Burden of the National Debt
Macroeconomic Policy and Economic Growth

Index / 579