## Brief Contents

### Part One  Principles and Concepts  1

1 Introducing Economic Development: A Global Perspective  
   2
2 Comparative Economic Development  
   40
3 Classic Theories of Economic Growth and Development  
   118
4 Contemporary Models of Development and Underdevelopment  
   164

### Part Two  Problems and Policies: Domestic  215

5 Poverty, Inequality, and Development  
   216
6 Population Growth and Economic Development: Causes, Consequences, and Controversies  
   284
7 Urbanization and Rural-Urban Migration: Theory and Policy  
   330
8 Human Capital: Education and Health in Economic Development  
   382
9 Agricultural Transformation and Rural Development  
   437
10 The Environment and Development  
   490
11 Development Policymaking and the Roles of Market, State, and Civil Society  
   541

### Part Three  Problems and Policies: International and Macro  599

12 International Trade Theory and Development Strategy  
   600
13 Balance of Payments, Debt, Financial Crises, and Stabilization Policies  
   678
14 Foreign Finance, Investment, Aid, and Conflict: Controversies and Opportunities  
   731
15 Finance and Fiscal Policy for Development  
   781
Contents

Case Studies and Boxes  xvii
Preface  xix

Part One  Principles and Concepts  1

1  Introducing Economic Development: A Global Perspective  2
   Prologue: An Extraordinary Moment  2
   1.1 How the Other Half Live  4
   1.2 Economics and Development Studies  9
      The Nature of Development Economics  9
      Why Study Development Economics? Some Critical Questions  11
      The Important Role of Values in Development Economics  14
      Economies as Social Systems: The Need to Go Beyond Simple Economics  15
   1.3 What Do We Mean by Development?  16
      Traditional Economic Measures  16
      The New Economic View of Development  17
      Amartya Sen's "Capability" Approach  18
      Development and Happiness  21
      Three Core Values of Development  22
      The Central Role of Women  24
      The Three Objectives of Development  24
   1.4 The Future of the Millennium Development Goals  24
   1.5 Conclusions  28
   ■ Case Study 1: Progress in the Struggle for More Meaningful Development: Brazil  30

2  Comparative Economic Development  40
   2.1 Defining the Developing World  42
   2.2 Basic Indicators of Development: Real Income, Health, and Education  45
      Purchasing Power Parity  45
      Indicators of Health and Education  49
   2.3 Holistic Measures of Living Levels and Capabilities  51
      The New Human Development Index  51
   2.4 Characteristics of the Developing World: Diversity within Commonality  55
      Lower Levels of Living and Productivity  57
      Lower Levels of Human Capital  59
      Higher Levels of Inequality and Absolute Poverty  60
      Higher Population Growth Rates  63
4 Contemporary Models of Development and Underdevelopment 164
  4.1 Underdevelopment as a Coordination Failure 165
  4.2 Multiple Equilibria: A Diagrammatic Approach 168
  4.3 Starting Economic Development: The Big Push
    The Big Push: A Graphical Model 176
    Other Cases in Which a Big Push May Be Necessary 181
    Why the Problem Cannot Be Solved by a Super-Entrepreneur 182
  4.4 Further Problems of Multiple Equilibria 183
    Inefficient Advantages of Incumbency 183
    Behavior and Norms 184
    Linkages 185
    Inequality, Multiple Equilibria, and Growth 186
  4.5 Michael Kremer’s O-Ring Theory of Economic Development
    The O-Ring Model 187
    Implications of the O-Ring Theory 190
  4.6 Economic Development as Self-Discovery 192
  4.7 The Hausmann-Rodrik-Velasco Growth Diagnostics Framework 193
  4.8 Conclusions

Case Study 4: Understanding a Development Miracle: China 200

Part Two Problems and Policies: Domestic 215

5 Poverty, Inequality, and Development 216
  5.1 Measuring Inequality
    Size Distributions 218
    Lorenz Curves 220
    Gini Coefficients and Aggregate Measures of Inequality 222
    Functional Distributions 224
    The Ahluwalia-Chenery Welfare Index (ACWI) 225
  5.2 Measuring Absolute Poverty
    Income Poverty 226
  5.3 Poverty, Inequality, and Social Welfare
    What’s So Bad about Extreme Inequality? 230
    Dualistic Development and Shifting Lorenz Curves: Some Stylized Typologies 232
    Kuznets’s Inverted-U Hypothesis 235
    Growth and Inequality 239
  5.4 Absolute Poverty: Extent and Magnitude
    The Multidimensional Poverty Index (MPI) 242
    Growth and Poverty 248
  5.5 Economic Characteristics of High-Poverty Groups
    Rural Poverty 250
    Women and Poverty 251
    Ethnic Minorities, Indigenous Populations, and Poverty 255
5.6 Policy Options on Income Inequality and Poverty: Some Basic Considerations

<table>
<thead>
<tr>
<th>Areas of Intervention</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altering the Functional Distribution of Income through Relative Factor Prices</td>
<td>257</td>
</tr>
<tr>
<td>Modifying the Size Distribution through Increasing Assets of the Poor</td>
<td>258</td>
</tr>
<tr>
<td>Progressive Income and Wealth Taxes</td>
<td>260</td>
</tr>
<tr>
<td>Direct Transfer Payments and the Public Provision of Goods and Services</td>
<td>260</td>
</tr>
</tbody>
</table>

5.7 Summary and Conclusions: The Need for a Package of Policies

<table>
<thead>
<tr>
<th>Case Study 5: Institutions, Inequality, and Incomes: Ghana and Côte d'Ivoire</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appendix 5.1 Appropriate Technology and Employment Generation: The Price Incentive Model</td>
<td>272</td>
</tr>
<tr>
<td>Appendix 5.2 The Ahluwalia-Chenery Welfare Index</td>
<td>275</td>
</tr>
</tbody>
</table>

6 Population Growth and Economic Development: Causes, Consequences, and Controversies

<table>
<thead>
<tr>
<th>The Basic Issue: Population Growth and the Quality of Life</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Population Growth throughout History</td>
<td>285</td>
</tr>
<tr>
<td>Structure of the World’s Population</td>
<td>287</td>
</tr>
<tr>
<td>The Hidden Momentum of Population Growth</td>
<td>291</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Demographic Transition</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Malthusian Population Trap</td>
<td>296</td>
</tr>
<tr>
<td>Criticisms of the Malthusian Model</td>
<td>301</td>
</tr>
<tr>
<td>The Microeconomic Household Theory of Fertility</td>
<td>303</td>
</tr>
<tr>
<td>The Demand for Children in Developing Countries</td>
<td>305</td>
</tr>
<tr>
<td>Implications for Development and Fertility</td>
<td>306</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Consequences of High Fertility: Some Conflicting Perspectives</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>It’s Not a Real Problem</td>
<td>308</td>
</tr>
<tr>
<td>It’s a Deliberately Contrived False Issue</td>
<td>309</td>
</tr>
<tr>
<td>It’s a Desirable Phenomenon</td>
<td>309</td>
</tr>
<tr>
<td>It Is A Real Problem</td>
<td>311</td>
</tr>
<tr>
<td>Goals and Objectives: Toward a Consensus</td>
<td>314</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Some Policy Approaches</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>What Developing Countries Can Do</td>
<td>316</td>
</tr>
<tr>
<td>What the Developed Countries Can Do</td>
<td>318</td>
</tr>
<tr>
<td>How Developed Countries Can Help Developing Countries with Their Population Programs</td>
<td>319</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Case Study 6: Population, Poverty, and Development: China and India</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbanization and Rural-Urban Migration: Theory and Policy</td>
<td>330</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Urbanization: Trends and Living Conditions</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Districts</td>
<td>339</td>
</tr>
<tr>
<td>Efficient Urban Scale</td>
<td>343</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The Role of Cities</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-City Bias</td>
<td>345</td>
</tr>
<tr>
<td>Causes of Urban Giantism</td>
<td>346</td>
</tr>
</tbody>
</table>
### 7.4 The Urban Informal Sector
- Policies for the Urban Informal Sector 350
- Women in the Informal Sector 354

### 7.5 Migration and Development

### 7.6 Toward an Economic Theory of Rural-Urban Migration
- A Verbal Description of the Todaro Model 358
- A Diagrammatic Presentation 360
- Five Policy Implications 362

### 7.7 Conclusion: A Comprehensive Urbanization, Migration, and Employment Strategy

**Case Study 7**: Rural-Urban Migration and Urbanization in Developing Countries: India and Botswana 369

**Appendix 7.1** A Mathematical Formulation of the Todaro Migration Model 375

### 8 Human Capital: Education and Health in Economic Development

#### 8.1 The Central Roles of Education and Health
- Education and Health as Joint Investments for Development 384
- Improving Health and Education: Why Increasing Income Is Not Sufficient 385

#### 8.2 Investing in Education and Health: The Human Capital Approach

#### 8.3 Child Labor

#### 8.4 The Gender Gap: Discrimination in Education and Health
- Education and Gender 396
- Health and Gender 398
- Consequences of Gender Bias in Health and Education 399

#### 8.5 Educational Systems and Development
- The Political Economy of Educational Supply and Demand: The Relationship between Employment Opportunities and Educational Demands 401
- Social versus Private Benefits and Costs 403
- Distribution of Education 404

#### 8.6 Health Measurement and Disease Burden
- HIV/AIDS 412
- Malaria 415
- Parasitic Worms and Other “Neglected Tropical Diseases” 418

#### 8.7 Health, Productivity, and Policy
- Productivity 420
- Health Systems Policy 422

**Case Study 8**: Pathways Out of Poverty: Progresa/Oportunidades in Mexico 425

### 9 Agricultural Transformation and Rural Development

#### 9.1 The Imperative of Agricultural Progress and Rural Development

#### 9.2 Agricultural Growth: Past Progress and Current Challenges
- Trends in Agricultural Productivity 440
- Market Failures and the Need for Government Policy 446

#### 9.3 The Structure of Agrarian Systems in the Developing World
- Three Systems of Agriculture 448
- Traditional and Peasant Agriculture in Latin America, Asia, and Africa 449
Contents

Agrarian Patterns in Latin America: Progress and Remaining Poverty Challenges 451
Transforming Economies: Problems of Fragmentation and Subdivision of Peasant Land in Asia 453
Subsistence Agriculture and Extensive Cultivation in Africa 456

9.4 The Important Role of Women 458
9.5 The Microeconomics of Farmer Behavior and Agricultural Development 462
The Transition from Traditional Subsistence to Specialized Commercial Farming 462
Subsistence Farming: Risk Aversion, Uncertainty, and Survival 462
The Economics of Sharecropping and Interlocking Factor Markets 466
The Transition to Mixed or Diversified Farming 468
From Divergence to Specialization: Modern Commercial Farming 469

9.6 Core Requirements of a Strategy of Agricultural and Rural Development 471
Improving Small-Scale Agriculture 472
Institutional and Pricing Policies: Providing the Necessary Economic Incentives 473
Conditions for Rural Development 474

■ Case Study 9: The Need to Improve Agricultural Extension for Women Farmers: Kenya 477

10 The Environment and Development 490

10.1 Environment and Development: The Basic Issues 490
Economics and the Environment 490
Sustainable Development and Environmental Accounting 492
Environment Relationships to Population, Poverty, and Economic Growth 493
Environment and Rural and Urban Development 496
The Global Environment and Economy 496
Natural Resource-Based Livelihoods as a Pathway Out of Poverty: Promise and Limitations 498
The Scope of Domestic-Origin Environmental Degradation 499
Rural Development and the Environment: A Tale of Two Villages 500
Environmental Deterioration in Villages 501

10.2 Global Warming and Climate Change: Scope, Mitigation, and Adaptation 502
Scope of the Problem 502
Mitigation 505
Adaptation 506

10.3 Economic Models of Environmental Issues 508
Privately Owned Resources 508
Common Property Resources 513
Public Goods and Bads: Regional Environmental Degradation and the Free-Rider Problem 515
Limitations of the Public-Good Framework 517

10.4 Urban Development and the Environment 518
Environmental Problems of Urban Slums 518
Industrialization and Urban Air Pollution 519
Problems of Congestion, Clean Water, and Sanitation 522

10.5 The Local and Global Costs of Rain Forest Destruction 523

10.6 Policy Options in Developing and Developed Countries 526
What Developing Countries Can Do 526
How Developed Countries Can Help Developing Countries 528
What Developed Countries Can Do for the Global Environment 529

■ Case Study 10: A World of Contrasts on One Island: Haiti and the Dominican Republic 532
### 11 Development Policymaking and the Roles of Market, State, and Civil Society

11.1 A Question of Balance

11.2 Development Planning: Concepts and Rationale
   - The Planning Mystique
   - The Nature of Development Planning
   - Planning in Mixed Developing Economies
   - The Rationale for Development Planning

11.3 The Development Planning Process: Some Basic Models
   - Three Stages of Planning
   - Aggregate Growth Models: Projecting Macro Variables
   - Multisector Models and Sectoral Projections
   - Project Appraisal and Social Cost-Benefit Analysis

11.4 Government Failure and Preferences for Markets over Planning
   - Problems of Plan Implementation and Plan Failure
   - The 1980s Policy Shift toward Free Markets
   - Government Failure

11.5 The Market Economy
   - Sociocultural Preconditions and Economic Requirements

11.6 The Washington Consensus on the Role of the State in Development and Its Subsequent Evolution
   - Toward a New Consensus

11.7 Development Political Economy: Theories of Policy Formulation and Reform
   - Understanding Voting Patterns on Policy Reform
   - Institutions and Path Dependency
   - Democracy versus Autocracy: Which Facilitates Faster Growth?

11.8 Development Roles of NGOs and the Broader Citizen Sector

11.9 Trends in Governance and Reform
   - Tackling the Problem of Corruption
   - Decentralization
   - Development Participation

**Case Study 11:** The Role of Development NGOs: BRAC and the Grameen Bank

### Part Three Problems and Policies: International and Macro

12 International Trade Theory and Development Strategy

12.1 Economic Globalization: An Introduction

12.2 International Trade: Some Key Issues
   - Five Basic Questions about Trade and Development
   - Importance of Exports to Different Developing Nations
   - Demand Elasticities and Export Earnings Instability
   - The Terms of Trade and the Prebisch-Singer Hypothesis

12.3 The Traditional Theory of International Trade
   - Comparative Advantage
Contents

Relative Factor Endowments and International Specialization: The Neoclassical Model  614
Trade Theory and Development: The Traditional Arguments  619

12.4 The Critique of Traditional Free-Trade Theory in the Context of Developing-Country Experience  619
Fixed Resources, Full Employment, and the International Immobility of Capital and Skilled Labor  620
Fixed, Freely Available Technology and Consumer Sovereignty  623
Internal Factor Mobility, Perfect Competition, and Uncertainty: Increasing Returns, Imperfect Competition, and Issues in Specialization  624
The Absence of National Governments in Trading Relations  626
Balanced Trade and International Price Adjustments  627
Trade Gains Accruing to Nationals  627
Some Conclusions on Trade Theory and Economic Development Strategy  628

12.5 Traditional Trade Strategies and Policy Mechanisms for Development: Export Promotion versus Import Substitution  630
Export Promotion: Looking Outward and Seeing Trade Barriers  632
Expanding Exports of Manufactured Goods  635
Import Substitution: Looking Inward but Still Paying Outward  637
Tariffs, Infant Industries, and the Theory of Protection  637
The IS Industrialization Strategy and Results  639
Foreign-Exchange Rates, Exchange Controls, and the Devaluation Decision  644
Trade Optimists and Trade Pessimists: Summarizing the Traditional Debate  648

12.6 The Industrialization Strategy Approach to Export Policy  651
Export-Oriented Industrialization Strategy  651
The New Firm-level International Trade Research and the Developing Countries  655

12.7 South-South Trade and Economic Integration  655
Economic Integration: Theory and Practice  655
Regional Trading Blocs, the Globalization of Trade, and Prospects for South-South Cooperation  657

12.8 Trade Policies of Developed Countries: The Need for Reform and Resistance to New Protectionist Pressures  659

■ Case Study 12: A Pioneer in Development Success through Trade: Taiwan  663

13 Balance of Payments, Debt, Financial Crises, and Stabilization Policies  678

13.1 International Finance and Investment: Key Issues for Developing Countries  678
13.2 The Balance of Payments Account
   General Considerations  679
   A Hypothetical Illustration: Deficits and Debts  681
13.3 The Issue of Payments Deficits
   Some Initial Policy Issues  685
   Trends in the Balance of Payments  689
13.4 Accumulation of Debt and Emergence of the Debt Crisis in the 1980s
   Background and Analysis  691
   Origins of the 1980s Debt Crisis  693
13.5 Attempts at Alleviation: Macroeconomic Instability, Classic IMF Stabilization Policies, and Their Critics
   The IMF Stabilization Program  695
   Tactics for Debt Relief  697
15.5 Fiscal Policy for Development 805
   Macrostability and Resource Mobilization 805
   Taxation: Direct and Indirect 805
15.6 State-Owned Enterprises and Privatization 810
   Improving the Performance of SOEs 811
   Privatization: Theory and Experience 812
15.7 Public Administration: The Scarcest Resource 815
   Case Study 15: African Success Story at Risk: Botswana 817

Glossary 826
Name Index 839
Subject Index 851