

# CONTENTS

EXHIBITS	xiii
PREFACE	xv
USING THIS BOOK	xvii
WORLD MAP OF HUMAN DEVELOPMENT INDEX	xviii
<b>I. INTRODUCTION</b>	<b>1</b>
<i>Overview</i>	1
<b>I.A. MEASURING DEVELOPMENT</b>	<b>5</b>
<i>Note I.A.1. The Evolution of Measures of Development</i>	12
<i>Selection I.A.1. Why Are Services Cheaper in the Poor Countries?</i>	16
<i>Comment I.A.1. The Productivity and Factor Proportions Explanations Again</i>	20
<i>Selection I.A.2. Income Poverty</i>	27
<i>Comment I.A.2. Capabilities and Entitlements</i>	31
<i>Note I.A.2. Other Important Differences Between Developed and Less Developed Countries</i>	32
<b>I.B. ECONOMIC PERFORMANCE OF LESS DEVELOPED COUNTRIES: THE RECENT PAST</b>	<b>34</b>
<i>Selection I.B.1. The Lost Decades: Developing Countries' Stagnation in Spite of Policy Reform 1980–1998</i>	34
<i>Note I.B.1. No Easy Answers, Yet All Is Not Lost</i>	41
<i>Selection I.B.2. How Reform Worked in China</i>	45
<i>Selection I.B.3. India Since Independence</i>	52
<i>Selection I.B.4. The Impact of the Economic Reforms in Latin America and the Caribbean</i>	58
<i>Selection I.B.5. Why Has Africa Grown Slowly?</i>	62
<b>I.C. THE DISCIPLINE OF DEVELOPMENT ECONOMICS</b>	<b>73</b>
<i>Note I.C.1. Evolution of Development Economics</i>	73
<i>Comment I.C.1. Classical Growth Theory</i>	76
<i>Comment I.C.2. Development Economics as a Special Subject</i>	77
<i>Note I.C.2. New Endogenous Growth Theory</i>	79

<b>II. HISTORICAL PERSPECTIVE</b>	<b>81</b>
<i>Overview: The Division of the World</i>	81
<i>Selection II.1. The Spread of Economic Growth to the Third World: 1850–1980</i>	84
<i>Comment II.1. State-owned Enterprises and Privatization</i>	100
<i>Selection II.2. The Division of the World and the Factoral Terms of Trade</i>	101
<i>Note II.1. Why Not Export First?</i>	106
<i>Note II.2. The Lewis Model of the World Economy</i>	108
<i>Selection II.3. Agricultural Productivity, Comparative Advantage, and Economic Growth</i>	111
<i>Comment II.2. Income Elasticity of Demand for Food in the Matsuyama Model</i>	114
<i>Selection II.4. Income Distribution, Market Size, and Industrialization</i>	115
<i>Comment II.3. Minimum Market Size in the Murphy–Shleifer–Vishny Model</i>	117
<i>Selection II.5. Factor Endowments, Inequality, and Paths of Development Among New World Economies</i>	118
<i>Selection II.6. Divergence, Big Time</i>	127
<i>Comment II.4. Will the Poor Countries Catch Up?</i>	131
<b>III. INTERNATIONAL TRADE AND TECHNOLOGY TRANSFER</b>	<b>133</b>
<i>Overview</i>	133
<b>III.A. TRADE</b>	
<i>Note III.A.1. Natural Resource Abundance, International Trade, and Economic Growth</i>	140
<i>Note III.A.2. Import-substituting Industrialization and the Infant-Industry Argument</i>	144
<i>Selection III.A.1. Typology in Development Theory: Retrospective and Prospects</i>	146
<i>Selection III.A.2. An Exposition and Exploration of Krueger’s Trade Model</i>	151
<i>Comment III.A.1. Moving Up the Ladder and Changes in Relative Costs of Factors of Production</i>	154
<i>Selection III.A.3. The Process of Industrial Development and Alternative Development Strategies</i>	156
<i>Selection III.A.4. Getting Interventions Right: How South Korea and Taiwan Grew Rich</i>	163
<i>Note III.A.3. Tradeability of Intermediate Goods, Linkages, and Bottlenecks</i>	170
<b>III.B. FOREIGN CONTACT AND TECHNOLOGY TRANSFER</b>	
<i>Note III.B.1. Learning in International Production Networks</i>	172
<i>Selection III.B.1. Technology Gaps Between Industrial and Developing Countries: Are There Dividends for Latecomers?</i>	175
<i>Selection III.B.2. The Potential Benefits of FDI for Less Developed Countries</i>	178
<i>Note III.B.2. Trade as Enemy, Handmaiden, and Engine of Growth</i>	180

<b>IV. HUMAN RESOURCES</b>	<b>183</b>
<i>Overview</i>	184
<b>IV.A. EDUCATION</b>	<b>187</b>
<i>Note IV.A.1. Three Views of the Contribution of Education to Economic Growth</i>	187
<i>Selection IV.A.1. Economic Impact of Education</i>	189
<i>Comment IV.A.1. Updated Estimates of Returns to Investment in Education</i>	192
<i>Comment IV.A.2. Ability Differences, Spillovers, and the Returns to Investment in Education</i>	193
<i>Selection IV.A.2. Creating Human Capital</i>	194
<i>Selection IV.A.3. Schooling and Labor Market Consequences of School Construction in Indonesia</i>	198
<i>Selection IV.A.4. Interpreting Recent Research on Schooling in Developing Countries</i>	201
<i>Selection IV.A.5. School Inputs and Educational Outcomes in South Africa</i>	206
<b>IV.B. HEALTH</b>	<b>212</b>
<i>Selection IV.B.1. Pharmaceuticals and the Developing World</i>	218
<i>Selection IV.B.2. Identifying Impacts of Intestinal Worms on Health in the Presence of Treatment Externalities</i>	225
<i>Selection IV.B.3. Confronting AIDS</i>	231
<b>IV.C. POPULATION</b>	<b>240</b>
<i>Note IV.C.1. The Size of the World's Population and the Size of the Average Family</i>	247
<i>Selection IV.C.1. Economic Approaches to Population Growth</i>	248
<i>Selection IV.C.2. Demographic Trends in Sub-Saharan Africa</i>	255
<i>Comment IV.C.1. The "Demographic Dividend"</i>	260
<b>IV.D. GENDER AND DEVELOPMENT</b>	<b>261</b>
<i>Selection IV.D.1. Gender Inequality at the Start of the 21st Century</i>	261
<i>Selection IV.D.2. Missing Women</i>	275
<i>Selection IV.D.3. Women as Policy Makers</i>	284
<b>V. INVESTMENT AND FINANCE</b>	<b>293</b>
<i>Overview: Investment and Finance: The Engines of Growth?</i>	293
<i>Note V.1. The AK Model</i>	297
<i>Selection V.1. Is Fixed Investment the Key to Economic Growth?</i>	300
<i>Selection V.2. Financial Development and Economic Growth</i>	303
<i>Selection V.3. Taming International Capital Flows</i>	309
<i>Selection V.4. Can Foreign Aid Buy Growth?</i>	315
<i>Selection V.5. The Microfinance Promise</i>	320

<b>VI. URBANIZATION AND THE INFORMAL SECTOR</b>	<b>331</b>
<i>Overview</i>	331
<b>VI.A. URBAN GROWTH AND INFRASTRUCTURE</b>	<b>336</b>
<i>Selection VI.A.1. Urban Growth in Developing Countries:         A Demographic Reappraisal</i>	336
<i>Selection VI.A.2. Urban Primacy, External Costs, and Quality of Life</i>	338
<i>Selection VI.A.3. The Impact of the Privatization of Water Services on Child         Mortality in Argentina</i>	343
<b>VI.B. RURAL-URBAN MIGRATION AND THE INFORMAL SECTOR</b>	<b>353</b>
<i>Selection VI.B.1. Economic Development with Unlimited Supplies of Labor</i>	355
<i>Selection VI.B.2. A Model of Labor Migration and Urban Unemployment in Less         Developed Countries</i>	358
<i>Note VI.B.1. The Lewis Versus the Harris–Todaro View of Underemployment in         Less Developed Countries</i>	360
<i>Selection VI.B.3. Wage Spillover and Unemployment in a Wage-Gap Economy:         The Jamaican Case</i>	365
<i>Note VI.B.2. Econometric Studies of Migration</i>	370
<i>Selection VI.B.4. Labour Market Modelling and the Urban Informal Sector:         Theory and Evidence</i>	371
<i>Selection VI.B.5. The Role of the Informal Sector in the Migration Process:         A Test of Probabilistic Migration Models and Labour Market Segmentation         for India</i>	376
<b>VII. AGRICULTURE</b>	<b>381</b>
<i>Overview</i>	381
<b>VII.A. DESIGNING AN AGRICULTURAL STRATEGY</b>	<b>384</b>
<i>Selection VII.A.1. Agriculture, Climate, and Technology: Why Are the Tropics         Falling Behind?</i>	388
<i>Note VII.A.1. Food, Hunger, Famine</i>	393
<i>Selection VII.A.2. Agricultural Development Strategies</i>	394
<i>Note VII.A.2. Induced Technical and Institutional Change</i>	397
<i>Comment VII.A.1. The Green Revolution</i>	398
<i>Selection VII.A.3. Some Theoretical Aspects of Agricultural Policies</i>	400
<i>Selection VII.A.4. Rural Infrastructure</i>	404
<i>Selection VII.A.5. Prospects and Strategies for Land Reform</i>	407
<b>VII.B. MICROECONOMICS OF THE RURAL SECTOR</b>	<b>416</b>
<i>Selection VII.B.1. The New Development Economics</i>	416

<i>Selection VII.B.2. Contractual Arrangements, Employment, and Wages in Rural Labor Markets: A Critical Review</i>	420
<i>Selection VII.B.3. The New Institutional Economics and Development Theory</i>	423
<i>Selection VII.B.4. Rural Credit Markets and Institutions in Developing Countries: Lessons for Policy Analysis from Practice and Modern Theory</i>	425
<i>Selection VII.B.5. A Survey of Agricultural Household Models: Recent Findings and Policy Implications</i>	428
<i>Comment VII.B.1. Supply Functions and Price Responsiveness</i>	430
<b>VIII. INCOME DISTRIBUTION</b>	<b>433</b>
<i>Overview</i>	433
<i>Note VIII.1. Measurement of Income Inequality</i>	437
VIII.A. THE IMPACT OF DEVELOPMENT ON INCOME DISTRIBUTION	444
<i>Selection VIII.A.1. Economic Growth and Income Inequality</i>	444
<i>Selection VIII.A.2. A Note on the U Hypothesis Relating Income Inequality and Economic Development</i>	449
<i>Selection VIII.A.3. Economic Development, Urban Underemployment, and Income Inequality</i>	450
<i>Comment VIII.A.1. The Informal Sector, Intraurban Inequality, and the Inverted U</i>	454
<i>Selection VIII.A.4. Explaining Inequality the World Round: Cohort Size, Kuznets Curves, and Openness</i>	456
<i>Comment VIII.A.2. Evidence for the Inverted U Across Countries Versus Within Countries over Time</i>	463
VIII.B. THE IMPACT OF INCOME DISTRIBUTION ON DEVELOPMENT	465
<i>Selection VIII.B.1. The Middle Class Consensus and Economic Development</i>	465
<i>Selection VIII.B.2. Income Distribution, Political Instability, and Investment</i>	468
VIII.C. CASE STUDIES	473
<i>Selection VIII.C.1. Rising Inequality in China, 1981–1995</i>	473
<i>Selection VIII.C.2. Falling Inequality in Rural Indonesia, 1978–1993</i>	481
<b>IX. POLITICAL ECONOMY</b>	<b>489</b>
<i>Overview</i>	489
IX.A. THE (PROPER) ROLE OF THE STATE IN LESS DEVELOPED COUNTRIES	494
<i>Selection IX.A.1. Public Policy and the Economics of Development</i>	494
<i>Comment IX.A.1. Development Planning</i>	499
<i>Comment IX.A.2. Governing the Market</i>	500

IX.B. RENT SEEKING AND GOVERNMENT FAILURE	502
<i>Note IX.B.1. What Are Rents?</i>	502
<i>Selection IX.B.1. The Political Economy of the Rent-Seeking Society</i>	505
<i>Comment IX.B.1. Complete Rent Dissipation Through Competitive Rent Seeking in the Harris–Todaro Model</i>	508
<i>Comment IX.B.2. The Relationship Between Rent Seeking and Corruption</i>	508
<i>Selection IX.B.2. The Regulation of Entry</i>	510
<i>Selection IX.B.3. Africa’s Growth Tragedy: Policies and Ethnic Divisions</i>	521
IX.C. STATE CAPACITY	536
<i>Selection IX.C.1. Institutions and Economic Performance: Cross-Country Tests Using Alternative Institutional Measures</i>	536
<i>Selection IX.C.2. The State as Problem and Solution: Predation, Embedded Autonomy, and Structural Change</i>	541
<i>Selection IX.C.3. Taking Trade Policy Seriously: Export Subsidization as a Case Study in Policy Effectiveness</i>	560
<i>Selection IX.C.4. Bureaucratic Structure and Bureaucratic Performance in Less Developed Countries</i>	573
<b>X. DEVELOPMENT AND THE ENVIRONMENT</b>	<b>581</b>
<i>Overview: Environmental Problems in Less Versus More Developed Countries</i>	581
<i>Selection X.1. Development and the Environment</i>	588
<i>Comment X.1. The “Environmental Kuznets Curve”</i>	597
<i>Selection X.2. North–South Trade and the Global Environment</i>	599
<i>Comment X.2. Empirical Studies of the Impact of International Trade on the Environment in Less Developed Countries</i>	601
<i>Selection X.3. Deforestation and the Rule of Law in a Cross Section of Countries</i>	603
<i>Selection X.4. Determinants of Pollution Abatement in Developing Countries: Evidence from South and Southeast Asia</i>	612
<i>Selection X.5. Genuine Savings Rates in Developing Countries</i>	622
APPENDIX: HOW TO READ A REGRESSION TABLE	633
INDEX OF SELECTION AUTHORS	639
INDEX	641

# EXHIBITS

<i>Exhibit I.A.1.</i> The Human Development Index	5
<i>Exhibit I.A.2.</i> Human Development Index Rankings Compared to U.S. Dollar Per Capita GDP Rankings	6
<i>Exhibit I.A.3.</i> Exchange-Rate-Deviation Index in Relation to Real GDP Per Capita	15
<i>Exhibit I.A.4.</i> Basic Data	21
<i>Exhibit I.B.1.</i> Life Expectancy and Educational Attainment Versus Per Capita GDP: Recent Performance of Less Developed Countries	42
<i>Exhibit I.B.2.</i> Country Average Versus Population-Weighted Per Capita GDP Growth Rates: Recent Performance of Less Developed Countries	43
<i>Exhibit I.B.3.</i> Catching Up to the Core	44
<i>Exhibit III.A.1.</i> Share of Primary Products in Merchandise Exports and Index of Export Concentration	137
<i>Exhibit IV.B.1.</i> Health Indicators	212
<i>Exhibit IV.C.1.</i> Demographic Data and Population Forecasts, by Human Development Index and Geographic Region	240
<i>Exhibit V.1.</i> Investment and Financial Indicators in Fast and Slow Growth Economies	296
<i>Exhibit VI.B.1.</i> Self-Employment and Unpaid Family Labor	353
<i>Exhibit VII.A.1.</i> Agricultural Labor Force and Productivity	385
<i>Exhibit VIII.1.</i> Income Distribution and Inequality Measures	440
<i>Exhibit IX.A.1.</i> Market Failure and State Intervention	499
<i>Exhibit X.1.</i> Environmental Indicators	584