Contents

Preface		1
1 Intern	ational Trade and Trade Theory	1
1.1	A Brief Introduction to International Trade Theory	2
1.2	The Purpose and the Structure of the Book	1:
2 Classi	cal International Trade Theories	23
2.1	Adam Smith and Absolute Advantage	24
2.2	The Ricardian Trade Theory	25
2.3	The $2 \times 2 \times 2$ Trade Model and the Core Theorems in	
	Trade Theory	33
2.4	The Dual Approach to the Two-Good, Two-Factor Model	42
2.5	The Heckscher-Ohlin Theory	45
2.6	The Neoclassical Trade Theory	52
2.7	A General Two-Country Two-Good Two-Factor Trade	
	Model	56
2.8	Public Goods and International Trade	63
2.9	Concluding Remarks	71
Appe	ndix	73
- -	A.2.1 A Ricardian Model with a Continuum of Goods	73
3 Trade	with Imperfect Competition	77
3.1	A Trade Model with Monopolistic Competition	78
3.2	The Ricardian Theory with Monopolistic Competition	82
3.3	The Heckscher-Ohlin Theory with Monopolistic	
	Competition	85
3.4	Oligopoly and Intraindustry Trade	90
3.5	Trade Pattern and Variable Returns to Scale	95
3.6	Transboundary Pollution and Trade	103
4 Trade	with Factor Mobility	107
4.1	A Two-Good, Three-Factor Model with Capital Mobility	108
4.2	Variable Returns to Scale and Immiserizing Growth	117



VIII	Contents

4.3	A Trade Model with Emigrat		125
4.4	Human Capital Mobility and	l Chamberlinian	120
4.5	Agglomeration		129 133
4.5	Trade and Factor Mobility		133
5 Money	Exchange Rate, and Tra	de	135
5.1	Measurement and Accountin	g Relations of Economies	136
5.2	The IS-LM Analysis for an C	Open Economy	140
5.3	A Gold Standard Model		161
5.4	Exchange Rates and the Term	ns of Trade in a	
	Two-Country Model		163
5.5	On Money and Trade		173
6 Growth	of Small Open-Economic	es with Capital	
Accum	-	-	175
6.1	The One-Sector Growth (OS	G) Model of a Closed Economy	178
6.2	The Ramsey Growth Model		185
6.3	A Small Open Economy with		192
6.4	Growth and Agglomeration		
	Multi-Regional Economy		203
6.5	On the Alternative Utility Fu	nction	227
Appe			229
		verlapping-Generations	
	Economy	118	229
	A.6.2 Habits and Current A	ccount Dynamics	231
	A.6.3 Proving Lemma 6.4.		234
		umption Function and the OSG	
	Approach		235
		Iodel and the OSG Approach	238
7 One-Se	ctor Global Growth Mod	els with Capital	
Accum		-	241
7.1	A Growth Model with Trade		243
7.2	A Two-Country Trade Mode		245
7.3	A Multi-Country Growth Me		2.13
,,,,	Capital	odor wiar Edoor Suppry and	255
8 Growtl	, Trade Patten and Struc	ture	285
8.1			286
8.2	• • • • • • • • • • • • • • • • • • •		
8.3	Trade and Growth with Non-Traded Services		296 305
0.5	Time will from	TIGGGG DOLVICOS	505

		Contents	IX
Appe	endix		314
	A.8.1 Capital Accumulation and Services in a		511
	Multi-Country Economy		314
	A.8.2 A Two-Country Model of Optimal Grov	wth	319
9 Growth	and Trade with Capital and Knowledge		323
9.1	A National Growth Model		326
9.2	Trade and Growth with Learning-by-Doing and	d Research	338
9.3	Conclusions		368
Appe	ndix		369
	A.9.2.1 Proving Lemma 9.2.2		369
10 Trade	Dynamics with Innovation and Monopo	listic	
Comp	etition		373
	Comparative Advantage with Endogenous Tec	chnological	
	Change	Ü	375
10.2	Intellectual Property Rights (IPRs) and Trade		381
10.3	Trade Costs and Trade Patterns		388
10.4	Growth and Innovation of a Small Open Coun	try	391
10.5	Growth and Trade with Externalities	·	395
10.6	On Innovation and Monopolistic Competition		398
Appe	ndix		399
	A.10.1 Variety of Consumer Goods and Growtl	h	399
	A.10.2 The Schumpeterian Creative Destruction	on	403
	A.10.3 Growth with Improvements in Quality of	of Products	407
11 Growt	th, Money and Trade		417
11.1	A Monetary Growth Model for a Small Open E	conomy	419
11.2	A Small Open-Country Economy with the MI	UF	
	Approach		421
11.3	A Small Open-Country Economy with the CIA	A Approach	429
	A Multi-Country Growth Model with the MIU		438
11.5	A Heterogeneous Households Model with the C	CIA	
	Approach		446
11.6	Global Economy with Money, Capital, and Kr.	iowledge	467
Appe			470
	A.11 A Monetary Growth Model of a Small Op	pen	
	Economy with the Ramsey Approach		470

\mathbf{X}	Contents
Δ	Contents

12 Trade Patterns and Dynamics	475
References	483
Index	507