

教育部高校工商管理类教学指导委员会 双语教学推荐教材



BUSINESS
ADMINISTRATION
CLASSICS

工商管理经典教材·国际化管理系列

Administration Classics

国际

INTERNATIONAL

金融

(第3版)

FINANCE

(Third Edition)

基思·皮尔比姆 (Keith Pilbeam) 著

中国人民大学出版社

教育部高校工商管理类教学指导委员会双语教学推荐教材
工商管理经典教材·国际化管理系列

- International Trade, 14e 国际贸易 (第14版)
International Finance, 14e 国际金融 (第14版)
International Finance, 3e 国际金融 (第3版)
International Management, 5e 国际管理 (第5版)
International Marketing, 14e 国际营销 (第14版)
International Business, 7e 国际商务 (第7版)

书 目

- Thomas A. Pugel
Thomas A. Pugel
Keith Pilbeam
Paul W. Beamish et al.
Philip R. Cateora et al.
Charles W. L. Hill

B

人大经管图书在线 <http://www.rdjg.com.cn>

了解图书出版信息 下载教学辅助资料



教育部高校工商管理类教学指导委员会双语教学推荐教材



工商管理经典教材·国际化管理系列

Administration Classics

国际金融

INTERNATIONAL

(第3版)

FINANCE

(Third Edition)

基思·皮尔比姆 (Keith Pilbeam) 著

中国人民大学出版社

· 北京 ·

图书在版编目 (CIP) 数据

国际金融: 第3版 / 皮尔比姆著.

北京: 中国人民大学出版社, 2009

教育部高校工商管理类教学指导委员会双语教学推荐教材

工商管理经典教材·国际化管理系列

ISBN 978-7-300-10579-6

I. 国…

II. 皮…

III. 国际金融-双语教学-高等学校-教材-英文

IV. F831

中国版本图书馆 CIP 数据核字 (2009) 第 059134 号

教育部高校工商管理类教学指导委员会双语教学推荐教材

工商管理经典教材·国际化管理系列

国际金融 (第3版)

基思·皮尔比姆 著

出版发行 中国人民大学出版社

社 址 北京中关村大街 31 号 邮政编码 100080

电 话 010-62511242 (总编室) 010-62511398 (质管部)

010-82501766 (邮购部) 010-62514148 (门市部)

010-62515195 (发行公司) 010-62515275 (盗版举报)

网 址 <http://www.crup.com.cn>

<http://www.ttrnet.com>(人大教研网)

经 销 新华书店

印 刷 涿州星河印刷有限公司

规 格 215 mm×275 mm 16 开本 版 次 2009 年 6 月第 1 版

印 张 28.75 插页 1 印 次 2009 年 6 月第 1 次印刷

字 数 710 000 定 价 45.00 元

版权所有 侵权必究 印装差错 负责调换

随着我国加入 WTO,越来越多的国内企业参与到国际竞争中来,用国际上通用的语言思考、工作、交流的能力也越来越受到重视。这样一种能力也成为我国各类人才参与竞争的一种有效工具。国家教育机构、各类院校以及一些主要的教材出版单位一直在思考,如何顺应这一发展潮流,推动各层次人员通过学习来获取这种能力。双语教学就是这种背景下的一种尝试。

双语教学在我国主要指汉语和国际通用的英语教学。事实上,双语教学在我国教育界已经不是一个陌生的词汇了,以双语教学为主的科研课题也已列入国家“十五”规划的重点课题。但从另一方面来看,双语教学从其诞生的那天起就被包围在人们的赞成与反对声中。如今,依然是有人赞成有人反对,但不论是赞成居多还是反对占上,双语教学的规模 and 影响都在原有的基础上不断扩大,且呈大发展之势。一些率先进行双语教学的院校在实践中积累了经验,不断加以改进;一些待进入者也在模仿中学习,并静待时机成熟时加入这一行列。由于我国长期缺乏讲第二语言(包括英语)的环境,开展双语教学面临特殊的困难,因此,选用合适的教材就成为双语教学成功与否的一个重要问题。我们认为,双语教学从一开始就应该使用原版的各类学科的教材,而不是由本土教师自编的教材,从而可以避免中国式英语问题,保证语言的原汁原味。各院校除应执行国家颁布的教学大纲和课程标准外,还应根据双语教学的特点和需要,适当调整教学课时的设置,合理选择优秀的、合适的双语教材。

顺应这样一种大的教育发展趋势,中国人民大学出版社同众多国际知名的大出版公司,如麦格劳-希尔出版公司、培生教育出版公司等合作,面向大学本科生层次,遴选了一批国外最优秀的管理类原版教材,涉及专业基础课,人力资源管理、市场营销及国际化管理等专业方向课,并广泛听取有着丰富的双语一线教学经验的教师的建议和意见,对原版教材进行了适当的改编,删减了一些不适合我国国情和不适合教学的内容;另一方面,根据教育部对双语教学教材篇幅合理、定价低的要求,我们更是努力区别于目前市场上形形色色的各类英文版、英文影印版的大部头,将目标受众锁定在大学本科生层次。本套教材尤其突出了以下一些特点:

- 保持英文原版教材的特色。本套双语教材根据国内教学实际需要,对原书进行了一定的改编,主要是删减了一些不适合教学以及不符合我国国情的内容,但在体系结构和内容特色方面都保持了原版教材的风貌。专家们的认真改编和审定,使本套教材既保持了学术上的完整性,又贴近中国实际;既方便教师教学,又方便学生理解和掌握。

- 突出管理类专业教材的实用性。本套教材既强调学术的基础性,又兼顾应用的广泛性;既侧重让学生掌握基本的理论知识、专业术语和专业表达方式,又考虑到教材和管理实践的紧密结合,有助于学生形成专业的思维能力,培养实际的管理技能。

- 体系经过精心组织。本套教材在体系架构上充分考虑到当前我国在本科教育阶段推广双语教学的进度安排,首先针对那些课程内容国际化程度较高的学科进行双语教材开发,在其专业模块内精心选择各专业教材。这种安排既有利于我国教师摸索双语教学的经验,使得双语教学贴近现实教学的需要;也有利于我们收集关于双语教学教材的建议,更好地推出后续的双语教材及教辅材料。

● 篇幅合理，价格相对较低。为适应国内双语教学内容和课时上的实际需要，本套教材进行了一定的删减和改编，使总体篇幅更为合理；而采取低定价，则充分考虑到了学生实际的购买能力，从而使本套教材得以真正走近广大读者。

● 提供强大的教学支持。依托国际大出版公司的力量，本套教材为教师提供了配套的教辅材料，如教师手册、PowerPoint 讲义、试题库等，并配有内容极为丰富的网络资源，从而使教学更为便利。

本套教材是在双语教学教材出版方面的一种尝试。我们在选书、改编及出版的过程中得到了国内许多高校的专家、教师的支持和指导，在此深表谢意。同时，为使后续推出的教材更适于教学，我们也真诚地期待广大读者提出宝贵的意见和建议。需要说明的是，尽管我们在改编的过程中已加以注意，但由于各教材的作者所处的政治、经济和文化背景不同，书中内容仍可能有不妥之处，望读者在阅读时注意比较和甄别。

徐二明

中国人民大学商学院

Introduction

The subject matter of international finance

The subject matter of international finance is, broadly speaking, concerned with the monetary and macroeconomic relations between countries. International finance is a constantly evolving subject that deals very much with real world issues such as balance of payments problems and policy, the causes of exchange rate movements and the implications of macroeconomic linkages between economies.

Many economists had predicted that the adoption of generalized floating in 1973 would lead to a demise of interest in the subject. They believed that exchange rate adjustments would eliminate balance of payments concerns. As is the case with many economists' predictions, they were proved wrong! Floating exchange rates did not eliminate balance of payments preoccupations, and in recent years the record US balance of payments deficits have become a mounting concern for the global economy. Floating exchange rates have been characterized by high volatility and substantial deviations from purchasing power parities. Exciting new theories were developed to explain these phenomena and these theories have been subjected to close empirical scrutiny. While the more recent literature has emphasized that purchasing power parity (PPP) may still be a valid run phenomenon, the speed with which deviations from PPP are corrected has become a source of recent controversy.

The quadrupling of oil prices at the end of 1973 and doubling in 1979 caused considerable turbulence to the world economy. There were dramatic divergences in economic performance; the United Kingdom and Italy experienced substantial rises in their inflation rates, while the Japanese and German economies managed to keep the lid on inflation. In such a turbulent world, a widespread desire to create a zone of currency stability between the currencies of countries belonging to the European Community led to the setting up of the European Monetary System in 1979. Contrary to much initial scepticism and the odd speculative attack, the system survived until the end of 1998, and on 1 January 1999 the European Union achieved the holy grail of Economic and Monetary Union (EMU) with 11 founding members. Greece was admitted into the Monetary Union on 1 January 2001 and was thereby able to fully participate when the euro finally arrived at street-level on 1 January 2002. The advent of European Monetary Union is probably the most significant development in the international monetary system since the breakdown of the Bretton Woods system in the early 1970s. The euro, although only five years in existence at the time of writing, has had a turbulent time in the foreign exchange markets falling from an initial value of \$1.17/€1 to an all-time low of around \$0.82/€1 in October 2000 before making a remarkable recovery to be trading around \$1.25/€1 by mid-August 2005.

The dollar itself has had a turbulent history since the breakdown of Bretton Woods; it generally depreciated against its major trading partners in the 1970s but between 1981 and 1985 a massive and sustained real appreciation of the dollar was largely blamed on divergences in macroeconomic policies internationally. The United States had an ever-growing fiscal deficit with rising real interest rates, while the European and Japanese economies were adopting much tougher fiscal policies. The resulting appreciation of the dollar led to trade frictions between the United States and its trading partners. To limit these damaging policy divergences, there were calls for a greater coordination of macroeconomic policies and much discussion in the economic literature over the potential gains to be had from such coordination.

In August 1982 the International Debt Crisis exploded on the scene with the

announcement of the Mexican moratorium, and sparked off major concerns about stability of the international banking system. Resolving the worst of the crisis took up the best part of 15 years, and despite its supposed resolution there have been major economic crises in three of the four major debtors, notably Mexico in 1994/95, Brazil in 1999 and Argentina declaring a debt moratorium in December 2001 and ending its peso currency-board peg to the US dollar in January 2002.

Over the past couple of decades, the Southeast Asian economies have grown rapidly and their economic importance to the world economy has increased enormously. However, in July 1997 a devaluation of the Thai baht marked an abrupt ending of the 'Asian miracle' and the start of the so-called 'Asian financial crisis'. For the best part of a year and a half there was unprecedented turbulence in Asian financial markets with their currencies and stockmarkets both falling significantly in value and exhibiting enormous volatility. The turbulence in the financial markets was reflected in large output falls in many Asian economies and indeed a questioning of their economic systems. The economies have since stabilized and the economic profession has been busy analysing the implications of channels of trade and financial contagion, moral hazard and herding behaviour ever since in an attempt to rationalize the crisis. More recently, there have been moves to set up early-warning systems designed to detect potential crises before they develop.

Another major development in the past 35 years has been the exponential growth in trading in derivative instruments such as futures, options and swaps. These instruments have enabled firms to hedge risks but have also been the centre of concern in that some authorities, companies and banks have run up enormous losses either through a lack of understanding of the instruments or the taking of unduly risky positions. The \$2 billion losses of Orange County in the United States and the remarkable losses run up by Barings bank due to trading by the infamous Nick Leeson are just two of the well-publicized cases.

Not surprisingly, in response to many of the foregoing developments, the literature and the importance of the subject has mushroomed. Although there are a number of very good texts covering many of these topics it is extremely hard to find a core book to recommend. Some books are very strong on theory but pay little attention to empirical issues. Others are excellent on recent exchange rate theory but presume a reasonable background in traditional exchange rate and balance of payments theory. Older texts, while good on traditional theories, inevitably do not cover the modern literature. The first two editions of this text were designed to provide a single core book giving an accessible and up-to-date introduction to the field of international finance. The market success of the previous two editions and events such as the achievement of EMU in Europe, the Asian financial crises and new theoretical and empirical developments in the subject area inevitably led to demands for a third edition which we present here. Economics is increasingly a profession where the tail (mathematics and econometrics) is wagging the dog (economics); I like to think this is a book where the dog is wagging the tail and it is written in this spirit.

Distinguishing features of this text

The main distinguishing features of this text can be summarized as:

- **Full scope of theory covered.** The text presents both traditional and modern theories in the field. To the extent possible, the presentation follows a chronological order that gives students an impression of the development of the literature.
- **Real-world data.** The text is not purely theoretical but presents students with a reasonable overview of the empirical evidence relating to the theories discussed.
- **Considerate use of maths.** The technical expertise required of students is kept to a fairly low level. However, rather than exclude some important topics that require a

more technical exposition, a basic knowledge of mathematics and statistics is assumed.

- **Visual features.** Extensive use is made of diagrams, tables and graphs to illustrate the arguments in the text.
- **Full coverage of recent developments.** A number of important recent developments and subjects are given an extensive and up-to-date rather than cursory treatment. Most notably, there are entire chapters devoted to International Policy Coordination, Currency Derivatives, European Monetary Union, the International Debt Crisis and the Asian Financial Crisis. Among the issues discussed are, *inter alia*, exchange rate 'overshooting,' the problem of time inconsistency, game theory, currency crisis and moral hazard. The addition of a new chapter on the Asian financial crises reflects not just the growth of recent literature in this area, but also the increasing attention being paid by policy-makers and financial-market participants to this region of the world.
- **Updated further reading.** At the end of each chapter there is a selective own-list of further reading and references. It was felt that this would be considerably more useful to students and lecturers than a general bibliography at the end of the book. A list of very useful texts in the field is provided at the end of the book.
- **Web resources.** Reflecting the increasing use of the web by both students and lecturers, I have included a number of useful web urls that are pertinent to the world of international finance. These websites frequently provide access to invaluable information, data and the latest research in the subject area. In addition, the book now has its own companion website from which there are PowerPoint slides of all the figures and tables from the text. There is also a set of exercises with outline solutions for lecturers. I have also included some useful weblinks.

Appropriate courses for the text

The coverage and level of technical expertise expected of students makes the text suitable for use as a main text on a variety of degree courses. These include undergraduate and one-year postgraduate courses in international economics, international monetary economics and international finance. Much of the material covered makes the book particularly useful for the international finance component of MBA courses. Some of the chapters in the book are relevant to courses in intermediate macroeconomics and international relations.

Presentation and contents

In writing the text, it soon became apparent that there are a bewilderingly wide range of models that could be presented. At the same time it is extremely difficult to present the various theories as a subset of some general model, since that model would quickly become intractable. In the end, it was decided to concentrate on the models that have dominated the literature, even though the assumptions underlying the models in different chapters can differ greatly. It is hoped that the clear statement of the different assumptions underlying the theories at the beginning of each chapter and the contrasts drawn between the various models will facilitate student understanding.

The book is divided into three parts. The opening part is concerned with balance of payments theory and policy. The second part is devoted to theories of exchange rate determination and policy including an examination of the empirical exchange rate literature. The final part of the book traces the evolution and development of the international monetary system, and the major features of the current system are analysed.

Broadly speaking, an attempt has been made to present each part of the book in a chronological order that will give students a perspective on the development of the literature. A brief overview of the chapters is given below.

Part 1: balance of payments theory and macroeconomic policy in an open economy

The opening chapter provides an introduction to the foreign exchange market and provides an essential background to the study of the remaining chapters in the book. Chapter 2 provides an introduction to balance of payments statistics and their interpretation. Chapter 3 presents some national income and balance of payments identities and then examines the traditional elasticity and absorption approaches to devaluation that were developed in the 1930s to 1950s. Chapter 4 analyses macroeconomic policy in an open economy using the Keynesian IS–LM–BP model which dominated policy discussion in the 1960s. This framework is then used to examine the effectiveness of fiscal, monetary and exchange rate policies in achieving internal and external balance. This is then followed in Chapter 5 by an examination of the distinctive monetary approach to the balance of payments which emerged in the late 1960s and early 1970s.

At the outset, it is worth noting that there are considerable differences between the Keynesian model of Chapter 4 and the monetary model of Chapter 5. The Keynesian model is based upon fixed domestic prices and assumes a horizontal aggregate supply schedule, so that variations in aggregate demand translate into changes in output and not prices. This contrasts with the monetary model which assumes a vertical aggregate supply schedule at the full employment level of output so that changes in aggregate demand translate into changes in prices rather than output. The Keynesian model also takes a flow view of capital movements and assumes imperfect goods substitutability; whereas the monetary model takes a stock view of capital movements and assumes perfect goods substitutability.

Part 2: exchange rate determination theory, evidence and policy

Chapter 6 commences with the purchasing power parity (PPP) literature which is one of the earliest theories of exchange rate determination. PPP has not proved to be a reliable indicator of floating exchange behaviour, and some of the explanations that have been put forward to explain its failure are discussed. A new section dealing with measurement of per capita GDP and the relative size of different economies using PPP-exchange rates shows the relevance of the concept of PPP to understanding the world economy. In Chapter 7 there is an exposition of the modern monetary theories of exchange rate determination that were developed in the 1970s, and these emphasize the importance of monetary factors in explaining exchange rate behaviour. We deal first with the ‘flexible price’ monetary model, followed by the ‘sticky price’ Dornbusch model and finally the Frankel ‘real interest rate differential model’. The chapter also introduces the risk premium and portfolio-balance approach to exchange rate determination. The portfolio-balance exchange rate model which was developed at the same time as the monetary models is discussed more fully in Chapter 8. The portfolio-balance model emphasizes that risk factors, and current account imbalances may have an important role to play in exchange rate determination.

Chapter 9 covers the empirical literature on floating exchange rates which only really got under way at the end of the 1970s and has mushroomed ever since. Three major empirical issues are examined; the first is whether or not the foreign exchange market can be regarded as efficient; the second concerns whether modern theories of exchange rates satisfactorily model observed exchange rate behaviour; and the third concerns the formation of exchange rate expectations. We include a discussion of some important recent results which suggest that economic fundamentals may still be useful for predicting longer-run exchange rates. Chapter 10 concentrates on exchange rate policy, beginning with a review of the traditional debate over the relative merits of fixed and floating exchange rates. This is then followed by an assessment using the more modern approach to analysing exchange rate policy, which compares the stabilizing properties of the two regimes within the context of a formal macroeconomic model.

Part 3: the international monetary system

Chapter 11 provides an overview of the development of the post-Second World War international monetary system. It commences with the operation and eventual breakdown of the Bretton Woods system, and then surveys the major developments since the adoption of generalized floating. Chapter 12 examines the Eurocurrency and Eurobond markets that have become ever more significant and are important vehicles for the globalization of international finance. Chapter 13 examines the basics of derivative instruments and explains the differences between options, futures and swaps as well as the principles behind the pricing of these instruments. Chapter 14 provides an overview of the literature on international policy coordination, a topic of which there has been a great deal of research since 1985 and which remains an area of considerable controversy. Chapter 15 is devoted to an analysis of many of the issues raised by the international debt crisis, covering the origins and management of the crisis, the Mexican 1994/95 crisis, the Brazilian devaluation of 1999 and the Argentinian debt default in December 2001 and the ending of its currency board in January 2002. Chapter 16 looks at the achievement of Economic and Monetary Union in Europe, fully updated to reflect the achievement of EMU, the framework within which the European Central Bank operates, controversy over the stability and growth pact and the issues raised by the recent accession countries that in principle should be joining EMU at some point in the future. Chapter 17 is a new chapter covering the recent currency crisis literature; there is coverage of first, second and third-generation models and a special focus on how these might be useful in analysing the East Asian financial crisis, as well as coverage of the recent literature on early-warning systems.

Use of the book

The scope of the book is sufficiently wide that there is considerable flexibility for lecturers to design courses that reflect their own interests. Chapters 1–5 probably provide the backbone to most courses in this field. Chapter 6 on purchasing power parity is a core chapter on exchange rate theory and floating exchange rate experience. Thereafter, the degree to which modern exchange rate theory is covered will be dependent on the length and priority of the course. Chapter 7 covers the modern monetary models. There is no doubt that the Dornbusch model of exchange rate overshooting represents such a significant contribution to our understanding of exchange rate behaviour that getting over its message is highly desirable. The problem is that a formal presentation is sometimes too advanced for some courses in international finance. For this reason, I have split up the presentation of the Dornbusch model into two parts: one is a simple explanation of the model without recourse to the use of equations; this is followed by a more formal presentation for more advanced classes. I hope that this approach enables most students to gain at least an intuitive grasp of the ideas underlying modern exchange rate theory and at the same that it satisfies the demands of more rigorous courses.

Chapter 8 on the portfolio balance model can easily be omitted if the course does not go into great detail on exchange rate theory. With regard to the empirical evidence on exchange rates it is quite possible to omit the coverage of exchange market efficiency tests and just recommend sections 9.6 to 9.10 for an overview of how well modern exchange rate theories perform empirically. In Chapter 10 it is possible to cover the traditional debate on fixed and floating exchange rate regimes without having to cover the more modern approach; although I have found the modern approach that compares the two regimes within an aggregate supply and demand framework to be very popular with students. Part 3 of the book offers a range of topics that can be chosen to reflect the emphasis of the particular course.

简明目录

第1篇 开放经济中的国际收支与宏观经济政策	(1)
第1章 外汇市场	(3)
第2章 国际收支	(24)
第3章 国际收支弹性分析法与吸收分析法	(46)
第4章 开放经济中的宏观经济政策	(61)
第5章 国际收支货币分析法	(87)
 第2篇 汇率决定：理论、证据与政策	 (109)
第6章 购买力评价与浮动汇率经验	(111)
第7章 汇率决定的现代模型	(132)
第8章 组合均衡模型	(161)
第9章 汇率的经验证据	(183)
第10章 固定汇率、浮动汇率与有管理的汇率	(212)
 第3篇 第二次世界大战后的国际货币制度	 (233)
第11章 国际货币制度	(235)
第12章 欧洲货币市场与欧洲债券市场	(273)
第13章 货币衍生工具：期货、期权和互换	(290)
第14章 国际宏观经济政策协调	(322)
第15章 国际债务危机	(339)
第16章 欧洲的经济与货币联盟	(368)
第17章 货币危机与东亚金融危机	(405)

Contents

Introduction

i

PART 1 THE BALANCE OF PAYMENTS AND MACROECONOMIC POLICY IN AN OPEN ECONOMY

1	The Foreign Exchange Market	3
1.1	Introduction	3
1.2	Exchange rate definitions	4
1.3	Characteristics and participants of the foreign exchange market	5
1.4	Arbitrage in the foreign exchange market	7
1.5	The spot and forward exchange rates	8
1.6	Nominal, real and effective exchange rates	9
1.7	A simple model of the determination of the spot exchange rate	13
1.8	Alternative exchange rate regimes	16
1.9	The determination of the forward exchange rate	18
1.10	The interaction of hedgers, arbitrageurs and speculators	21
1.11	Conclusions	22
2	The Balance of Payments	24
2.1	Introduction	24
2.2	What is the balance of payments?	25
2.3	Collection, reporting and presentation of the balance of payments statistics	25
2.4	Balance of payments accounting and accounts	26
2.5	An overview of the sub-accounts in the balance of payments	26
2.6	Recording of transactions in the balance of payments	28
2.7	What is meant by a balance of payments surplus or deficit?	30
2.8	Alternative concepts of surplus and deficit	30
2.9	Do the record United States current account deficits matter?	32
2.10	Some open economy identities	37
2.11	Open economy multipliers	39
2.12	Conclusions	44
3	Elasticity and Absorption Approaches to the Balance of Payments	46
3.1	Introduction	46
3.2	The elasticity approach to the balance of payments	47
3.3	Empirical evidence on import and export demand elasticities	50
3.4	The pass-through effect of a depreciation or appreciation	53
3.5	The absorption approach	54
3.6	The effects of a devaluation on national income	55
3.7	The effects of a devaluation on direct absorption	56
3.8	A synthesis of the elasticity and absorption approaches	58
3.9	Conclusions	59
4	Macroeconomic Policy in an Open Economy	61
4.1	Introduction	61
4.2	The problem of internal and external balance	62

4.3	The Mundell–Fleming model	64
4.4	Derivation of the IS schedule for an open economy	64
4.5	Derivation of the LM schedule for an open economy	66
4.6	Derivation of the BP schedule for an open economy	68
4.7	Equilibrium of the model	70
4.8	Factors shifting the IS–LM–BP schedules	71
4.9	Internal and external balance	72
4.10	Internal and external balance under fixed exchange rates	74
4.11	Internal and external balance under floating exchange rates	75
4.12	A small open economy with perfect capital mobility	77
4.13	The principle of effective market classification	80
4.14	Limitations of the Mundell–Fleming model	84
4.15	Conclusions	86
5	The Monetary Approach to the Balance of Payments	87
5.1	Introduction	87
5.2	A simple monetary model	88
5.3	The monetarist concept of a balance of payments disequilibrium	91
5.4	The effects of a devaluation	94
5.5	A monetary exchange rate equation	95
5.6	A money supply expansion under fixed exchange rates	96
5.7	A money supply expansion under floating exchange rates	98
5.8	The effects of an increase in income under fixed exchange rates	100
5.9	The effects of an increase in income under floating exchange rates	101
5.10	An increase in foreign prices under fixed exchange rates	102
5.11	An increase in foreign prices under floating exchange rates	103
5.12	Implications of the monetary approach	104
5.13	Empirical evidence on the monetary approach	105
5.14	Criticisms of the monetary approach	106
5.15	Conclusions	107
PART 2	EXCHANGE RATE DETERMINATION: THEORY, EVIDENCE AND POLICY	
6	Purchasing Power Parity and Floating Exchange Rate Experience	111
6.1	Introduction	111
6.2	Purchasing power parity theory and the law of one price	111
6.3	Absolute and relative PPP	112
6.4	A generalized version of PPP	113
6.5	Measurement problems in testing for PPP	115
6.6	Empirical evidence on PPP	115
6.7	Summary of the empirical evidence on PPP	122
6.8	Explaining the poor performance of purchasing power parity theory	123
6.9	The Balassa–Samuelson model	126
6.10	Per capita income levels, the relative sizes of economies and the importance of PPP estimates	128
6.11	Conclusions	128
7	Modern Models of Exchange Rate Determination	132
7.1	Introduction	132
7.2	Asset prices	133
7.3	Uncovered interest rate parity	134
7.4	The monetary models of exchange rate determination	136

7.5	The flexible-price monetary model	137
7.6	The Dornbusch sticky-price monetarist model	139
7.7	A simple explanation of the Dornbusch model	140
7.8	A formal explanation of the Dornbusch model	141
7.9	Derivation of the goods-market equilibrium schedule	142
7.10	Derivation of the money-market equilibrium schedule	144
7.11	A money supply expansion and exchange rate 'overshooting'	146
7.12	Importance of the sticky-price monetary model	147
7.13	The Frankel real interest rate differential model	148
7.14	Implications of the monetary views of exchange rate determination	150
7.15	Allowing for imperfect substitutability between domestic and foreign bonds	153
7.16	A synthesis portfolio balance model	155
7.17	The importance of the portfolio balance model	157
7.18	Conclusions	158
8	The Portfolio Balance Model	161
8.1	Introduction	161
8.2	The concept of a risk premium	162
8.3	Different types of risk	163
8.4	A portfolio balance model	165
8.5	Derivation of the asset demand functions	168
8.6	Equilibrium of the model	170
8.7	The effects of a foreign exchange operation	170
8.8	The effects of an open market operation	171
8.9	The effects of a sterilized foreign exchange operation	171
8.10	A comparison of an FXO, OMO and SFXO	173
8.11	The dynamics of the model	174
8.12	The effects of a change in risk perceptions	176
8.13	Money versus bond-financed fiscal expansion	176
8.14	The risk premium, imperfect and perfect substitutability	179
8.15	Conclusions	180
9	Empirical Evidence on Exchange Rates	183
9.1	Introduction	183
9.2	What is an efficient market?	184
9.3	Exchange market efficiency tests	185
9.4	Alternative tests of the efficient market hypothesis	189
9.5	Summary of findings on exchange market efficiency	190
9.6	Empirical tests of exchange rate models	191
9.7	Exchange rate models: a forecasting analysis	193
9.8	Explaining the poor results of exchange rate models	194
9.9	The 'news' approach to modelling exchange rates	197
9.10	The longer-run predictability of exchange rate movements	200
9.11	Modelling exchange rate expectations	203
9.12	Empirical tests of different expectations mechanisms	205
9.13	Alternative approaches to modelling exchange rates: the role of chartists and fundamentalists	206
9.14	Conclusions	208
10	Fixed, Floating and Managed Exchange Rates	212
10.1	Introduction	212
10.2	The case for fixed exchange rates	213
10.3	The case for floating exchange rates	215

10.4	The modern evaluation of fixed and flexible exchange rate regimes	218
10.5	Specification of the objective function	218
10.6	The model	219
10.7	Determining equilibrium	221
10.8	Money demand shock	222
10.9	Aggregate demand shock	223
10.10	Aggregate supply shock	224
10.11	Managed floating	227
10.12	Conclusions	230

PART 3 THE POSTWAR INTERNATIONAL MONETARY SYSTEM

11	The International Monetary System	235
11.1	Introduction	235
11.2	The Bretton Woods system	236
11.3	Features of the system	237
11.4	A brief history of the Bretton Woods system	238
11.5	Why did the Bretton Woods system break down?	242
11.6	The post-Bretton Woods era	245
11.7	The Jamaica Conference of 1976	247
11.8	The Snake and the EMS	251
11.9	The second oil shock	251
11.10	The dazzling dollar, 1980–85	251
11.11	From Plaza to Louvre and beyond	252
11.12	Currency turmoil and crises post-1990	253
11.13	The present exchange rate system	260
11.14	The bipolar view of the international monetary system: which exchange rate regime is best?	260
11.15	Reform of the international monetary system	265
11.16	The Williamson target zone proposal	265
11.17	The McKinnon global monetary target proposal	266
11.18	The Tobin foreign exchange tax proposal	267
11.19	Reform of the international financial architecture	268
11.20	Conclusions	270
12	The Eurocurrency and Eurobond Markets	273
12.1	Introduction	273
12.2	Participants in the Eurocurrency and Eurobond markets	274
12.3	The origins and development of the Eurocurrency market	275
12.4	The characteristics of the Eurodollar market	276
12.5	The competitive advantage of Eurobanks	277
12.6	The coexistence of domestic and Eurobanking	278
12.7	The creation of Eurodollar deposits and loans	279
12.8	The pros and cons of the Eurocurrency markets	280
12.9	Euromarkets and government regulation and policy	281
12.10	The international capital market and the Eurobond market	282
12.11	The origins and development of the Eurobond market	282
12.12	Typical features of a Eurobond	283
12.13	Control and regulation of the Eurobond market	285
12.14	The management of a Eurobond issue	285
12.15	Innovations in the Eurobond market	286
12.16	Conclusions	288

13	Currency Derivatives: Futures, Options and Swaps	290
13.1	Introduction	290
13.2	The growth of derivative markets	291
13.3	Exchange-traded futures and options contracts	292
13.4	Currency futures and currency forwards	292
13.5	The use of currency futures for hedging purposes	295
13.6	The symmetry of profit/losses on futures/forward positions	296
13.7	The pricing of currency futures	297
13.8	Currency options	298
13.9	A currency option versus a forward contract for hedging	300
13.10	A currency option versus a forward for speculating	302
13.11	The pricing of currency options	304
13.12	Intrinsic value and time value	305
13.13	The distribution of the option premium between time and intrinsic value	307
13.14	The Garman and Kohlhagen option-pricing formula	310
13.15	A numerical example of the Garman-Kohlhagen formula	312
13.16	Problems with the currency option-pricing formula	314
13.17	The over-the-counter market in options	314
13.18	The swaps market	314
13.19	Potential currency swap scenarios	315
13.20	A currency swap agreement	316
13.21	Distinguishing characteristics of the swap market from the forward and futures markets	318
13.22	Conclusions	319
14	International Macroeconomic Policy Coordination	322
14.1	Introduction	322
14.2	What is meant by international policy coordination?	323
14.3	Why does the need for international policy coordination arise?	324
14.4	The benefits from international policy coordination	325
14.5	A game theory demonstration of the gains from coordination	329
14.6	Other potential benefits from coordination	330
14.7	The potential for coordination to make countries worse off	331
14.8	Estimates of the benefits and losses from international policy coordination	332
14.9	Problems and obstacles to international policy coordination	334
14.10	Conclusions	336
15	The International Debt Crisis	339
15.1	Introduction	339
15.2	The low and middle-income developing countries	340
15.3	Characteristics of typical middle-income developing countries	340
15.4	The economics of developing country borrowing	342
15.5	Different types of capital inflows into developing countries	342
15.6	Measures of indebtedness	344
15.7	Background and origins of the debt crisis	345
15.8	The emergence of the debt crisis	346
15.9	The Mexican moratorium	347
15.10	The dimensions of the debt crisis	348
15.11	A supply and demand framework for analysing the debt crisis	350
15.12	The economics of default	351
15.13	The role and viewpoints of the actors in the debt crisis	353
15.14	The management of the debt crisis	355
15.15	An overall evaluation of the debt crisis management	363