

清华经济学系列英文版教材

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国际经济学 理论与政策

上册 国际贸易

Eighth Edition

International Economics Theory and Policy

(美) 保罗·R. 克鲁格曼 (Paul R. Krugman) 著
莫里斯·奥伯斯法尔德 (Maurice Obstfeld)

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出 版 说 明

为了适应经济全球化的发展趋势，满足国内广大读者了解、学习和借鉴国外先进的管理经验和掌握经济理论的前沿动态的需要，清华大学出版社与国外著名出版公司合作影印出版一系列英文版经济管理方面的图书。我们所选择的图书，基本上已是再版多次、在国外深受欢迎，并被广泛采用的优秀教材，绝大部分是该领域中较具权威性的经典之作。在选书的过程中，我们得到了很多专家、学者的支持、帮助和鼓励，在此表示谢意！清华经济学系列英文版教材由清华大学经济管理学院和北京大学经济学院杨忻、李明志、钟笑寒、姚志勇等老师审阅，在此一并致谢！

由于原作者所处国家的政治、经济和文化背景等与我国不同，对书中所持观点，敬请广大读者在阅读过程中注意加以分析和鉴别。

我们期望这套影印书的出版对我国经济科学的发展能有所帮助，对我国经济管理专业的教学能有所促进。

欢迎广大读者给我们提出宝贵的意见和建议，也欢迎有关的专业人士向我们推荐您所接触到的国外优秀图书。

清华大学出版社

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世纪之交，中国与世界的发展呈现最显著的两大趋势——以网络为代表的信息技术的突飞猛进，以及经济全球化的激烈挑战。无论是无远弗界的因特网，还是日益密切的政治、经济、文化等方面的国际合作，都标示着 21 世纪的中国是一个更加开放的中国，也面临着一个更加开放的世界。

教育，特别是管理教育总是扮演着学习与合作的先行者的角色。改革开放以来，尤其是 20 世纪 90 年代之后，为了探寻中国国情与国际上一切优秀的管理教育思想、方法和手段的完美结合，为了更好地培养高层次的“面向国际市场竞争、具备国际经营头脑”的管理者，我国的教育机构与美国、欧洲、澳洲以及亚洲一些国家和地区的大量的著名管理学院和顶尖跨国企业建立了长期密切的合作关系。以清华大学经济管理学院为例，2000 年，学院顾问委员会成立，并于 10 月举行了第一次会议，2001 年 4 月又举行了第二次会议。这个顾问委员会包括了世界上最大的一些跨国公司和几家顶尖企业的最高领导人，其阵容之大、层次之高，超过了世界上任何一所商学院。在这样高层次、多样化、重实效的管理教育国际合作中，教师和学生与国外的交流机会大幅度增加，越来越深刻地融入到全球性的教育、文化和思想观念的时代变革中，我们的管理教育工作者和经济管理学习者，更加真切地体验到这个世界正发生着深刻的变化，也更主动地探寻和把握着世界经济发展和跨国企业运作的脉搏。

我国管理教育的发展，闭关锁国、闭门造车是绝对不行的，必须同国际接轨，按照国际一流的水准来要求自己。正如朱镕基同志在清华大学经济管理学院成立十周年时所发的贺信中指出的那样：“建设有中国特色的社会主义，需要一大批掌握市场经济的一般规律，熟悉其运行规则，而又了解中国企业实情的经济管理人才。清华大学经济管理学院就要敢于借鉴、引进世界上一切优秀的经济管理学院的教学内容、方法和手段，结合中国的国情，办成世界第一流的经管学院。”作为达到世界一流的一个重要基础，朱镕基同志多次建议清华的 MBA 教育要加强英语教学。我体会，这不仅因为英语是当今世界交往中重要的语言工具，是连接中国与世界的重要桥梁和媒介，而且更是中国经济管理人才参与国际竞争，加强国际合作，实现中国企业的国际战略的基石。推动和实行英文教学并不是目的，真正的目的在于培养学生——这些未来的企业家——能够具备同国际竞争对手、合作伙伴沟通和对抗的能力。按照这一要求，清华大学经济管理学院正在不断推动英语教学的步伐，使得英语不仅是一门需要学习的核心课程，而且渗透到各门专业课程的学习当中。

课堂讲授之外，课前课后的大量英文原版著作、案例的阅读对于提高学生的英文水平也是非常关键的。这不仅是积累相当的专业词汇的重要手段，而且是对学习

者思维方式的有效训练。

我们知道，就阅读而言，学习和借鉴国外先进的管理经验和掌握经济理论动态，或是阅读翻译作品，或是阅读原著。前者属于间接阅读，后者属于直接阅读。直接阅读取决于读者的外文阅读能力，有较高外语水平的读者当然喜欢直接阅读原著，这样不仅可以避免因译者的疏忽或水平所限而造成的纰漏，同时也可以尽享原作者思想的真实表达。而对于那些有一定外语基础，但又不能完全独立阅读国外原著的读者来说，外文的阅读能力是需要加强培养和训练的，尤其是专业外语的阅读能力更是如此。如果一个人永远不接触专业外版图书，他在获得国外学术信息方面就永远会比别人差半年甚至一年的时间，他就会在无形中减弱自己的竞争能力。因此，我们认为，有一定外语基础的读者，都应该尝试一下阅读外文原版，只要努力并坚持，就一定能过了这道关，到那时就能体验到直接阅读的妙处了。

在掌握大量术语的同时，我们更看重读者在阅读英文原版著作时对于西方管理者或研究者的思维方式和体会。我认为，原汁原味的世界级大师富有特色的表达方式背后，反映了思维习惯，反映了思想精髓，反映了文化特征，也反映了战略偏好。知己知彼，对于跨文化的管理思想、方法的学习，一定要熟悉这些思想、方法所孕育、成长的文化土壤，这样，有朝一日才能真正“具备国际战略头脑”。

以往，普通读者购买和阅读英文原版还有一个书价的障碍。一本外版书少则几十美元，多则上百美元，一般读者只能望书兴叹。随着全球经济合作步伐的加快，目前在出版行业有了一种新的合作出版的方式，即外文影印版，其价格几乎与国内同类图书持平。这样一来，读者可以不必再为书价发愁。清华大学出版社这些年在这方面一直以独特的优势领先于同行。早在1997年，清华大学出版社敢为人先，在国内最早推出一批优秀商学英文版教材，规模宏大，在企业界和管理教育界引起不小的轰动，更使国内莘莘学子受益良多。

为了配合清华大学经济管理学院推动英文授课的急需，也为了向全国更多的MBA试点院校和更多的经济管理学院的教师和学生提供学习上的支持，清华大学出版社再次隆重推出与世界著名出版集团合作的英文原版影印商学教科书，也使广大工商界人士、经济管理类学生享用到最新最好质优价廉的国际教材。

祝愿我国的管理教育事业在社会各界的大力支持和关心下不断发展、日进日新；祝愿我国的经济建设在不断涌现的大批高层次的面向国际市场竞争、具备国际经营头脑的管理者的勉力经营下早日中兴。

赵纯钧 教授

清华大学经济管理学院

Preface

This eighth edition of *International Economics: Theory & Policy* comes out at a time when events in the global economy have more influence over national policies and political debate than ever before. The world that emerged from World War II was one in which trade, financial, and even communication links between countries were limited. One decade into the 21st century, however, the picture is very different. Globalization has arrived, big time. International trade in goods and services has expanded steadily over the past six decades thanks to declines in shipping and communication costs, globally negotiated reductions in government trade barriers, the widespread outsourcing of production activities, and a greater awareness of foreign cultures and products. International trade in financial assets such as currencies, stocks, and bonds has expanded at a much faster pace even than international product trade—creating benefits for owners of wealth, but also risks of contagious financial instability. New and better communications technologies, notably the Internet, have revolutionized the way people in all countries obtain and exchange information. But perhaps the biggest recent change on the international scene is the emergence of China—a development that promises to redefine the international balance of economic and political power in the coming century.

Although the shape of the world economy today would have astounded people had they learned about it at the mid-point of the 20th century, the economic concerns that continue to cause international debate have not changed that much since they were first analyzed by economists more than two centuries ago. What are the merits of free trade among nations compared with protectionism? What causes countries to run trade surpluses or deficits with their trading partners, and how are such imbalances resolved over time? What causes banking and currency crises in open economies, and how should governments handle such convulsions? As always in international economics, the interplay of events and ideas has led to new modes of analysis. In turn, these analytical advances, however abstruse they may seem at first, ultimately do end up playing a major role in governmental policies, in international negotiations, and in people's everyday lives. Globalization has made citizens of all countries much more aware than ever before of the worldwide economic forces that influence their fortunes.

The idea of writing this book came out of our experience in teaching international economics to undergraduates and business students since the late 1970s. We perceived two main challenges in teaching. The first was to communicate to students the exciting intellectual advances in this dynamic field. The second was to show how the development of international economic theory has traditionally been shaped by the need to understand the changing world economy and analyze actual problems in international economic policy.

We found that published textbooks did not adequately meet these challenges. Too often, international economics textbooks confront students with a bewildering array of special models and assumptions from which basic lessons are difficult to extract. Because many of these special models are outmoded, students are left puzzled about the real-world relevance of the analysis. As a result, many textbooks often leave a gap between the somewhat antiquated material to be covered in class and the exciting issues that dominate current research and policy debates. That gap has widened dramatically as the importance of international economic problems—and enrollments in international economics courses—have grown.

This book is our attempt to provide an up-to-date and understandable analytical framework for illuminating current events and bringing the excitement of international economics

into the classroom. In analyzing both the real and monetary sides of the subject, our approach has been to build up, step by step, a simple, unified framework for communicating the grand traditional insights as well as the newest findings and approaches. To help the student grasp and retain the underlying logic of international economics, we motivate the theoretical development at each stage by pertinent data and policy questions.

The Place of This Book in the Economics Curriculum

Students assimilate international economics most readily when it is presented as a method of analysis vitally linked to events in the world economy, rather than as a body of abstract theorems about abstract models. Our goal has therefore been to stress concepts and their application rather than theoretical formalism. Accordingly, the book does not presuppose an extensive background in economics. Students who have had a course in economic principles will find the book accessible, but students who have taken further courses in microeconomics or macroeconomics will find an abundant supply of new material. Specialized appendices and mathematical postscripts have been included to challenge the most advanced students.

We follow the standard practice of dividing the book into two halves, devoted to trade and to monetary questions. Although the trade and monetary portions of international economics are often treated as unrelated subjects, even within one textbook, similar themes and methods recur in both subfields. One example is the idea of gains from trade, which is important in understanding the effects of free trade in assets as well as free trade in goods. International borrowing and lending provide another example. The process by which countries trade present for future consumption is best explained in terms of comparative advantage (which is why we introduce it in the book's first half), but the resulting insights deepen understanding of the external macroeconomic problems of developing and developed economies alike. We have made it a point to illuminate connections between the trade and monetary areas when they arise.

At the same time, we have made sure that the book's two halves are completely self-contained. Thus, a one-semester course on trade theory can be based on Chapters 2 through 11, and a one-semester course on international monetary economics can be based on Chapters 12 through 22. If you adopt the book for a full-year course covering both subjects, however, you will find a treatment that does not leave students wondering why the principles underlying their work on trade theory have been discarded over the winter break.

Some Distinctive Features of *International Economics: Theory & Policy*

This book covers the most important recent developments in international economics without shortchanging the enduring theoretical and historical insights that have traditionally formed the core of the subject. We have achieved this comprehensiveness by stressing how recent theories have evolved from earlier findings in response to an evolving world economy. Both the real trade portion of the book (Chapters 2 through 11) and the monetary portion (Chapters 12 through 22) are divided into a core of chapters focused on theory, followed by chapters applying the theory to major policy questions, past and current.

In Chapter 1 we describe in some detail how this book addresses the major themes of international economics. Here we emphasize several of the newer topics that previous authors failed to treat in a systematic way.

Asset Market Approach to Exchange Rate Determination

The modern foreign exchange market and the determination of exchange rates by national interest rates and expectations are at the center of our account of open-economy macroeconomics. The main ingredient of the macroeconomic model we develop is the interest parity relation (augmented later by risk premiums). Among the topics we address using the model are exchange rate “overshooting”; inflation targeting; behavior of real exchange rates; balance-of-payments crises under fixed exchange rates; and the causes and effects of central bank intervention in the foreign exchange market.

Increasing Returns and Market Structure

Even before discussing the role of comparative advantage in promoting international exchange and the associated welfare gains, we visit the forefront of theoretical and empirical research by setting out the gravity model of trade. We return to the research frontier (in Chapter 6) by explaining how increasing returns and product differentiation affect trade and welfare. The models explored in this discussion capture significant aspects of reality, such as intraindustry trade and shifts in trade patterns due to dynamic scale economies. The models show, too, that mutually beneficial trade need not be based on comparative advantage.

Politics and Theory of Trade Policy

Starting in Chapter 4, we stress the effect of trade on income distribution as the key political factor behind restrictions on free trade. This emphasis makes it clear to students why the prescriptions of the standard welfare analysis of trade policy seldom prevail in practice. Chapter 11 explores the popular notion that governments should adopt activist trade policies aimed at encouraging sectors of the economy seen as crucial. The chapter includes a theoretical discussion of such trade policy based on simple ideas from game theory.

International Macroeconomic Policy Coordination

Our discussion of international monetary experience (Chapters 18, 19, 20, and 22) stresses the theme that different exchange rate systems have led to different *policy coordination* problems for their members. Just as the competitive gold scramble of the interwar years showed how beggar-thy-neighbor policies can be self-defeating, the current float challenges national policymakers to recognize their interdependence and formulate policies cooperatively.

The World Capital Market and Developing Countries

A broad discussion of the world capital market is given in Chapter 21, which takes up the welfare implications of international portfolio diversification as well as problems of prudential supervision of offshore financial institutions. Chapter 22 is devoted to the long-term growth prospects and to the specific macroeconomic stabilization and liberalization problems of industrializing and newly industrialized countries. The chapter reviews emerging market crises and places in historical perspective the interactions among developing country borrowers, developed country lenders, and official financial institutions such as the International Monetary Fund. Chapter 22 also reviews China’s exchange-rate policies and recent research on the persistence of poverty in the developing world.

International Factor Movements

In Chapter 7 we emphasize the potential substitutability of international trade and international movements of factors of production. A feature in the chapter is our analysis of international borrowing and lending as *intertemporal trade*, that is, the exchange of present consumption for future consumption. We draw on the results of this analysis in the book's second half to throw light on the macroeconomic implications of the current account.

New to the Eighth Edition

For this eighth edition of *International Economics: Theory & Policy*, we have updated the content and extensively revised several chapters. These revisions respond both to users' suggestions and to some important developments on the theoretical and practical sides of international economics. The most far-reaching changes are the following:

Chapter 4, Resources, Comparative Advantage, and Income Distribution The new version of this chapter incorporates the results of recent empirical work that dramatically confirms the relevance of the Heckscher-Ohlin model both to understanding trade between advanced and developing countries and to understanding trends in the patterns of trade of newly industrializing economies.

Chapter 7, International Factor Movements Immigration policy has become a key political issue in the United States; the new version of this chapter addresses the main economic issues in the U.S. immigration debate.

Chapter 9, The Political Economy of Trade Policy The new edition addresses the reasons for the apparent failure of the Doha Round and the implications of that failure for world trade policy.

Chapter 10, Trade Policy in Developing Countries A new box addresses the controversy over the role of trade liberalization in India's dramatic acceleration in economic growth.

Chapter 11, Controversies in Trade Policy A new section analyzes the major issues raised by growing concern over the relationship between globalization and the environment.

Chapter 14, Money, Interest Rates, and Exchange Rates This chapter now covers the practice of inflation targeting by central banks. Building on that discussion, the chapter analyzes recent evidence on how surprises in inflation affect exchange rates.

Chapter 17, Fixed Exchange Rates and Foreign Exchange Intervention Recent years have seen a sharp increase in countries' holdings of official international reserves, especially the reserves of emerging economies. In this revised edition, we bring new insights to an old topic that has returned to center stage, the demand for international reserves by national central banks.

Chapter 19, Macroeconomic Policy and Coordination Under Floating Exchange Rates This chapter now discusses the emergence of large global current-account imbalances in the 2000s, along with the implications for real-world interest rates and exchange rates.

Chapter 22, Developing Countries: Growth, Crisis, and Reform We have added to this chapter a detailed discussion of China's exchange rate policies and their macroeconomic implications. The exposition builds on the analysis of internal and external balance in Chapter 18.

In addition to these structural changes, we have updated the book in other ways to maintain current relevance. Thus we examine the role of external economies in interregional trade (Chapter 6); we discuss Asian markets for nondeliverable forward foreign exchange (Chapter 13); we analyze Canada's difficulty in functioning as an "optimum currency area" in the face of commodity price increases in world markets (Chapter 20); and we describe the global financial crisis that erupted in August 2007 as a result of subprime mortgage lending problems in the United States (Chapter 21).

Learning Features

This book incorporates a number of special learning features that will maintain students' interest in the presentation and help them master its lessons.

Case Studies

Theoretical discussions are often accompanied by case studies that perform the threefold role of reinforcing material covered earlier, illustrating its applicability in the real world, and providing important historical information.

Special Boxes

Less central topics that nonetheless offer particularly vivid illustrations of points made in the text are treated in boxes. Among these are the political backdrops of Ricardo's and Hume's theories (pp. 76 and 510); the astonishing ability of disputes over banana trade to generate acrimony among countries far too cold to grow any of their own bananas (p. 241); Britain's reluctance to join the euro zone (p. 580); and the rapid accumulation of foreign exchange reserves by developing countries (p. 638).

Captioned Diagrams

More than 200 diagrams are accompanied by descriptive captions that reinforce the discussion in the text and help the student in reviewing the material.

Learning Goals

A list of essential concepts sets the stage for each chapter in the book. These learning goals help students assess their mastery of the material.

Summary and Key Terms

Each chapter closes with a summary recapitulating the major points. Key terms and phrases appear in boldface type when they are introduced in the chapter and are listed at the end of each chapter. To further aid student review of the material, key terms are italicized when they appear in the chapter summary.

Problems

Each chapter is followed by problems intended to test and solidify students' comprehension. The problems range from routine computational drills to "big picture" questions

suitable for classroom discussion. In many problems we ask students to apply what they have learned to real-world data or policy questions.

Further Reading

For instructors who prefer to supplement the textbook with outside readings, and for students who wish to probe more deeply on their own, each chapter has an annotated bibliography that includes established classics as well as up-to-date examinations of recent issues.

Student and Instructor Resources



MyEconLab is the premier online assessment and tutorial system, pairing rich online content with innovative learning tools. The MyEconLab course for the eighth edition of *International Economics* includes *all* end-of-chapter problems from the text, which can be easily assigned and automatically graded.

Students and MyEconLab

This online homework and tutorial system puts students in control of their own learning through a suite of study and practice tools correlated with the online, interactive version of the textbook and other media tools. Within MyEconLab's structured environment, students practice what they learn, test their understanding, and then pursue a study plan that MyEconLab generates for them based on their performance on practice tests.

Instructors and MyEconLab

MyEconLab provides flexible tools that allow instructors to easily and effectively customize online course materials to suit their needs. Instructors can create and assign tests, quizzes, or homework assignments. MyEconLab saves time by automatically grading all questions and tracking results in an online gradebook. MyEconLab can even grade assignments that require students to draw a graph.

After registering for MyEconLab instructors have access to downloadable supplements such as an instructor's manual, PowerPoint lecture notes, and a test bank. The test bank can also be used within MyEconLab, giving instructors ample material from which they can create assignments.

For advanced communication and customization, MyEconLab is delivered in CourseCompass. Instructors can upload course documents and assignments, and use advanced course management features. For more information about MyEconLab or to request an instructor access code, visit www.myeconlab.com.

Additional **MyEconLab** resources include:

- *Animated Figures*. Key figures from the textbook are presented in step-by-step animations with audio explanations of the action.
- *eThemes of the Times*. Archived articles from *The New York Times*, correlated to each chapter of the textbook and paired with critical thinking questions.
- *Research Navigator* (CourseCompass version only). Extensive help on the research process and four exclusive databases of accredited and reliable source material including *The New York Times*, *The Financial Times*, and peer-reviewed journals.

The enhanced MyEconLab problems for *International Economics* were created by Galina Hale at the Federal Reserve Bank of San Francisco; Woo Jung at the University of Colorado, Denver; and Noel Lotz at the University of Tennessee, Knoxville. The animations were written by Thomas Bishop at California State University, Channel Islands. For more information, go to www.myeconlab.com/krugman.

Additional Supplementary Resources

A full range of additional supplementary materials to support teaching and learning accompanies this book.

- The *Study Guide*, written by Linda S. Goldberg of the Federal Reserve Bank of New York, Michael W. Klein of Tufts University, and Jay C. Shambaugh of Dartmouth College, aids students by providing a review of central concepts from the text, further illustrative examples, and additional practice problems.
- The *Online Instructor's Manual*—written by Linda S. Goldberg, Michael W. Klein, and Jay C. Shambaugh—includes chapter overviews, answers to the end-of-chapter problems, and suggestions for classroom presentation of the book's contents.
- The *Online Test Bank* offers a rich array of multiple-choice and essay questions, plus mathematical and graphing problems, for each textbook chapter. It is available in Word, PDF, and TestGen formats. This Test Bank was prepared by Mitchell H. Kellman of the City College of New York and Yochanan Shachmurove of the University of Pennsylvania, and carefully reviewed by Hyeongwoo Kim of Auburn University and Vera A. Tabakova of East Carolina University.
- The *Computerized Test Bank* reproduces the Test Bank material in the TestGen software that is available for Windows and Macintosh. With TestGen, instructors can easily edit existing questions, add questions, generate tests, and print the tests in variety of formats.
- The *Online PowerPoint Presentation with Art, Figures, & Lecture Notes* was revised by Thomas Bishop of California State University, Channel Islands. This resource contains all text figures and tables, and can be used for in-class presentations or as transparency masters.
- The *Instructor's Resource CD-ROM* contains electronic files of all Instructor's Resources, including the Instructor's Manual, Test Bank, Computerized Test Bank, and PowerPoint slides. A PowerPoint viewer is provided for those who do not have the full software program. The CD-ROM also holds the Computerized Test Bank in the TestGen-EQ and QuizMaster-EQ software programs, allowing for the easy creation of multiple-choice tests.
- The *Companion Web Site* at www.aw-bc.com/krugman offers Web Applications that link to Internet sites where students can read further on topics covered in the textbook, as well as chapter-by-chapter self-test quizzes.

Instructors can download supplements from a secure, instructor-only source via the Addison-Wesley Web Page (www.pearsonhighered.com/irc).

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*Paul R. Krugman
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目 录

前言	
第 1 章 绪论	1
第 1 部分 国际贸易理论	11
第 2 章 世界贸易:概览	12
第 3 章 劳动生产率和比较优势:李嘉图模型	27
第 4 章 资源、比较优势和收入分配	54
第 5 章 标准贸易模型	88
第 6 章 规模经济、不完全竞争和国际贸易	114
第 7 章 国际要素流动	153
第 2 部分 国际贸易政策	181
第 8 章 贸易政策工具	182
第 9 章 贸易政策中的政治经济学	212
第 10 章 发展中国家的贸易政策	250
第 11 章 贸易政策中的争论	266
数学附录	287
第 4 章附录 要素比例模型	288
第 5 章附录 贸易下的世界经济	292
第 6 章附录 垄断竞争模型	300

Brief Contents

	Contents	ix
	Preface	xv
1	Introduction	1
Part 1	International Trade Theory	11
2	World Trade: An Overview	12
3	Labor Productivity and Comparative Advantage: The Ricardian Model	27
4	Resources, Comparative Advantage, and Income Distribution	54
5	The Standard Trade Model	88
6	Economies of Scale, Imperfect Competition, and International Trade	114
7	International Factor Movements	153
Part 2	International Trade Policy	181
8	The Instruments of Trade Policy	182
9	The Political Economy of Trade Policy	212
10	Trade Policy in Developing Countries	250
11	Controversies in Trade Policy	266
	Mathematical Postscripts	287
	Postscript to Chapter 4: The Factor Proportions Model	288
	Postscript to Chapter 5: The Trading World Economy	292
	Postscript to Chapter 6: The Monopolistic Competition Model	300