

*Theory and
Application of Intermediate
Microeconomics* (Tenth Edition)

经济学经典教材·双语教学用书

中级微观 经济学

——理论与应用

(第10版)

尼克尔森 (Walter Nicholson) 著
森德尔 (Christopher Snyder)

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Preface

This 10th edition of *Theory and Application of Intermediate Microeconomics* is in many ways a watershed. The book becomes a double-digit edition with a bang—we've added the contributions of my co-author Chris Snyder, incorporated a wide variety of new material and applications, and adopted a great new design. All in all, the book has been reinvented.

Of course, it is adding Chris Snyder's contributions to this book that is most important. Though he is depressingly young, Chris is at the forefront of research in game theory and industrial organization, and his many contributions are visible throughout the book. Most significantly, he has totally reworked the previous edition's chapters on game theory and imperfect competition, and he has added a completely new chapter that looks at questions about the impact of asymmetric information in the marketplace. All of this material is fresh and exciting—it shows that microeconomics is not standing still but continues to expand our understanding of how markets succeed or fail. The book now makes this up-to-date material accessible to students fairly early in their study of economics.

In other areas, the 10th edition offers new material on such topics as the theory of demand, the nature of the firm, general equilibrium, and the use of options as a way to mitigate the effects of uncertainty. All of the applications in the text have also been updated, and a wide variety of new ones have been added. These include extended analyses of timely topics such as:

- The causes and impact of high gasoline prices (Chapter 3)
- Increasing use of deductibles in health and other insurance (Chapter 5)
- Financial options and volatility indices (Chapter 5)
- Game theory models of terrorism (Chapter 6)
- Price searching on the Internet (Chapter 14)
- The economics of rock stars (Chapter 15)
- Ancient and modern usury laws (Chapter 16)
- Intellectual property law (Chapter 18).

As for all of the applications in the book, these new ones are carefully related to the text's basic theoretical concepts, so that students can see how the concepts can be used to explore new areas of concern as they arise. This new edition also contains many new and revised review questions, problems, and "MicroQuizzes" that again ask students to think more broadly about what they are learning.

The staff at Thomson South-Western have really outdone themselves in designing a beautiful and useful new edition. All of the graphs have been

redrawn in a clear and precise format, a more modern approach to writing mathematical expressions has been adopted, and the book's various typefaces have been made both more attractive and more consistent. In all, these changes should make the book even easier to use than its predecessors.

Still, despite all of these significant changes, the primary goal of the book remains to provide a clear and concise treatment of the basic principles of microeconomics in a way that will help students learn. The willingness of Chris Snyder to join this project helps to ensure that the book will continue to evolve in ways that serve this ultimate goal.

| SUPPLEMENTS TO THE TEXT

With this international edition, a wide and helpful array of supplements is available to both students and instructors:

- The Instructor's Manual with Test Bank, by Walter Nicholson and Christopher Snyder, contains summaries, lecture and discussion suggestions, a list of glossary terms, solutions to problems, a multiple-choice test bank, and suggested test problems. The Instructor's Manual with Test Bank is available for download at www.thomsonedu.com/aise to instructors only.
- Microsoft PowerPoint Slides, revised by Mark Karscig, Central Missouri State University, are available for download at www.thomsonedu.com/aise for use by instructors for enhancing their lectures.
- Economic Applications (e-con @pps) (<http://econapps.swlearning.com>) includes Thomson South-Western's dynamic Economics Web features: EconNews Online, EconDebate Online, and EconData Online. Organized by pertinent economic categories and searchable by topic, these features are easy to integrate into the classroom. EconNews, EconDebate, and EconData all deepen students' understanding of theoretical concepts with hands-on exploration and analysis through the latest economic news stories, policy debates, and data. These features are updated on a regular basis.

| TO THE INSTRUCTOR

Using this new edition should prove easy both for new adopters and for users of the previous editions. New adopters will find that the book proceeds in a very standard way through demand, supply, and market structure. It is possible to adopt a "bare bones" approach to the subject by covering only this material, or one may add extra topics from the final section of the book that covers factor markets, capital and time, asymmetric information, and externalities. Because principles of game theory provide the major focus for the chapters on imperfect competition and asymmetric information, it is important to cover the chapter introducing the topic (Chapter 6) before covering the extra topics.

For previous users of the text, there are few changes here that should affect class scheduling. The most important change is the placement of the material on uncertainty and game theory into the early chapters of the book so that applications of these concepts can be used elsewhere—especially in the chapter on imperfect competition. I have also restored a full chapter on general equilibrium, both on the advice of reviewers and because I have found general equilibrium modeling to be increasingly interesting to students. As always, any comments on the text and its accompanying ancillaries are most appreciated. Ever since the advent of the Internet, I have accumulated a vast collection of e-mail correspondence. I especially encourage users of the book to contact me in this way (the address is wenicholson@amherst.edu).

| TO THE STUDENT

This book really is intended to make it easier for you to learn microeconomics. Although the book pulls no punches in terms of insisting you learn “the real thing,” it has been extensively reworked over the years to make that process as clear and streamlined as possible. In this edition, such changes are especially notable in the material on game theory. The game theory chapter and those that follow from it have been extensively reworked to make them both simpler and more complete. I would be interested in knowing whether you find the text and the applications useful and enjoyable or, if not, how they might be improved. Prior editions of the book owe a great debt to the perceptive comments of students, and I expect that will be the case for this new version as well. If you feel so inclined, drop me an e-mail at wenicholson@amherst.edu.

| ACKNOWLEDGMENTS

The key idea for this edition came from Peter Adams at Thomson South-Western. He had the foresight to see that Chris Snyder would be a great addition to the book at this time and convinced me to plunge ahead. Things have worked out even better than Peter anticipated—if he ever tires of publishing, he probably should consider a new career as a matchmaker. Susan Smart, despite being overworked in the extreme, helped us get organized at the start of this project and kept us in line and on target in getting to this final result. We joke with her about nagging us, but she really has a knack for getting things done with an insistent, though friendly, manner. Working with her is a pleasure, even when the pressure is on.

As to the specifics of this new edition, I drew especially on a series of very thoughtful reviews of the ninth edition that were kindly provided by Louis H. Amato, University of North Carolina, Charlotte; Gregory Besharov, Duke University; David M. Lang, California State University, Sacramento; Magnus Lofstrom, University of Texas, Dallas; Kathryn Nance, Fairfield University; Jeffrey O. Sundberg, Lake Forest College; Pete Tsournos, California State

University, Chico; and Ben Young, University of Missouri, Kansas City. The suggestions of these reviewers about what should be covered in the book proved to be very good advice that I hope I have followed as faithfully as possible. These reviewers' thoughts on the suitability of various applications in the text were also most helpful.

Amherst students who assisted me with this and previous editions include: Mark Bruni, Stephanie Cogen, Morgan Delano, Adrian Dillon, Megan Kahn, David Macoy, Katie Merrell, Jeff Rodman, and Sujith Vijayan. To them and to all of their colleagues who used the text, I owe a debt of appreciation for keeping me "on message." I also appreciate all of the useful comments I have received from my Amherst colleague and longtime friend, Frank Westhoff. I am thankful that he uses the book voluntarily and seems none the worse for it.

I have been very impressed by the professional staff at Thomson South-Western who made this edition happen. In addition to Peter Adams and Susan Smart, I owe special gratitude to Emily Gross, who guided the production of the book. On more than one occasion, she caught my errors and made sure everything was here. Pamela Loos did a very fine job in copyediting the text; especially difficult was our decision to move to a more consistent and modern mathematical notation, which was (apparently) handled with ease. The very attractive and innovative design for this edition is the work of art director Michelle Kunkler. I believe users will appreciate the fine job she did in making the appearance of the book more lively and colorful. The production of pages for the book was directed by Jan Turner of Pre-Press Company. That this process went more smoothly than it ever has before is surely attributable to her talents.

Producing this edition was a somewhat more relaxed process than in the past, both because I have a lighter teaching schedule at Amherst College and because I had Chris Snyder to share the burden. Still, as the book entered its final phases, my mood deteriorated. With my children (Kate, David, Tory, and Paul) spread out across the country, the costs of this inevitably fell on my wife, Susan. As always, however, she was there for me, in every way making things easy. As Simon Schama would say, her presence provides an "embarrassment of riches" every day.

It is even harder to pretend to be young now that I have five grandchildren. My dedication of this edition to them is both a subtle attempt to lure them into pawing through the book and an announcement of how happy I am that they are here.

Walter Nicholson
Amherst, Massachusetts
October 2005

I was delighted to have been asked to collaborate with Walter Nicholson on the 10th edition of this text. I have used one or another of his books in my microeconomics classes since I began teaching 12 years ago. Walter's approach to the subject is similar to mine, so it has been easy to work together on it.

As did Walter, I encourage teachers and students to e-mail me if you have any comments on the text (Christopher.M.Snyder@dartmouth.edu).

I would like to add my thanks to those whom Walter acknowledged for contributing to the book. In addition, Karen Pelletier provided able administrative assistance. Conversations with my former colleagues at George Washington University and my present colleagues at Dartmouth College have helped me teach and write about microeconomics. I am grateful to Walter for his confidence in bringing me on the project, his continued patience while I apprenticed in the art of textbook writing, and his thorough comments and suggestions on my contributions to the book.

Committing to as extensive a project as this is in some sense a family decision. I thank my wife for accommodating the late nights that were sometimes required and for being willing to listen to the monotonous reports on the book's progress. Besides being well-behaved during the whole time I was writing the book, my children, Clare, Tess, and Meg, served as models for several of the end-of-chapter problems.

Christopher Snyder
Hanover, New Hampshire
October 2005

简要目录

第一篇 介绍

第 1 章 经济模型	3
附录：微观经济学中使用的数学工具	25

第二篇 需求

第 2 章 效用和选择	49
第 3 章 个人需求曲线	79
第 4 章 市场需求和弹性	114

第三篇 不确定性和策略

第 5 章 不确定性	143
第 6 章 博弈论	170

第四篇 生产、成本和供给

第 7 章 生产	211
第 8 章 成本	237
第 9 章 利润最大化和供给	269

第五篇 完全竞争

第 10 章 单一市场中的完全竞争	297
第 11 章 竞争性模型的应用	325
第 12 章 一般均衡和福利	350

第六篇 市场势力

第 13 章 垄断 379

第 14 章 不完全竞争 409

第七篇 更深入的话题

第 15 章 要素市场定价 453

 附录：劳动力供给 480

第 16 章 资本和时间 489

 附录：复合利率 511

第 17 章 信息不对称 528

第 18 章 外部性和公共产品 566

奇数问题答案 601

小测验答案 627

术语表 639

索引 647

详细目录

第一篇 介绍

第 1 章 经济模型	3
什么是微观经济学	4
一些基本原理	4
应用 1.1 自然世界中的经济学	7
微观经济学的用处	8
应用 1.2 学习这门课程的价值	9
应用 1.3 在 Blockbuster 节省你的时间	10
基本的供求模型	11
经济学家如何检验理论模型	16
应用 1.4 Bono 的经济学	17
小结	19
复习题	21
问题	22
应用 1.5 经济学家能达成一致吗	20
附录：微观经济学中使用的数学工具	25

第二篇 需求

第 2 章 效用和选择	49
效用	49
有关效用的假设	51
应用 2.1 金钱能买到健康和幸福吗	52
自愿交换和无差异曲线	54
无差异曲线图	57
特定偏好的说明	58
应用 2.2 营销中的产品定位	59

效用最大化：初步考察	61
效用最大化的图示	63
应用 2.3 倒卖门票	67
选择模型的运用	68
模型的一般化	70
应用 2.4 有钱叔叔的承诺值多少钱	71
应用 2.5 “空中飞人”计划	73
小结	74
复习题	75
问题	76
第 3 章 个人需求曲线	79
需求函数	79
收入变化	80
应用 3.1 恩格尔定律	82
产品的价格变化	84
应用 3.2 消费者物价指数及其偏差	92
一揽子原理	94
其他产品的价格变化	95
应用 3.3 为什么不直接用现金救济贫困人口	96
应用 3.4 SUV 和油价	99
个人需求曲线的构造	100
个人需求曲线的移动	102
应用 3.5 流行性、季节性和健康恐慌	104
消费者剩余	105
应用 3.6 新产品的估价	109
小结	110
复习题	110
问题	111
第 4 章 市场需求和弹性	114
市场需求曲线	114
应用 4.1 2001 年的减税	117
弹性	118
需求的价格弹性	119
应用 4.2 品牌忠诚	122

应用 4.3 易变的农产品价格	125
需求曲线和价格弹性	126
需求的收入弹性	129
应用 4.4 一个健康保险的实验	130
需求的交叉价格弹性	131
需求的经验研究	132
应用 4.5 作为酒后驾驶对策的酒类税	135
小结	136
复习题	136
问题	137

第三篇 不确定性和策略

第 5 章 不确定性	143
概率和期望值	143
风险厌恶	144
应用 5.1 21 点扑克制度	145
减少风险的方法	147
应用 5.2 保险中的免赔额	150
应用 5.3 共同基金	154
应用 5.4 看跌期权、看涨期权和布莱克-斯科尔斯定价模型	158
金融资产的风险定价	159
应用 5.5 股权溢价之谜	161
信息经济学	163
小结	166
复习题	166
问题	167
第 6 章 博弈论	170
背景	170
基本概念	171
均衡	172
应用 6.1 美丽心灵	173
基本概念的阐释	174
混合策略	179
多重均衡	182

应用 6.2 体育比赛中的混合策略 183

序贯博弈 188

应用 6.3 演化博弈论 189

重复博弈 195

应用 6.4 实验室中的博弈 197

连续行动 200

N 人博弈 202

应用 6.5 恐怖主义 203

不完全信息 204

小结 204

复习题 205

问题 206

第四篇 生产、成本和供给

第 7 章 生产 211

 生产函数 211

 边际产出 212

 应用 7.1 每个人都是一个企业 213

 等产量曲线 216

 应用 7.2 美国的汽车制造商从日本汽车制造商那里学到了什么 217

 应用 7.3 工程和经济学 220

 规模收益 221

 要素替代 223

 应用 7.4 酒类行业的规模收益 224

 技术变化 226

 一个数字例子 227

 应用 7.5 多因素影响生产率 228

 小结 232

 复习题 233

 问题 234

第 8 章 成本 237

 成本的基本概念 237

 应用 8.1 搁置成本和放松管制 240

 要素成本最小化选择 241

成本曲线	245
长期与短期之间的区别	250
应用 8.2 企业的平均成本的发现	252
单位短期成本曲线	254
应用 8.3 拥挤成本	256
成本曲线的移动	257
一个数字例子	258
应用 8.4 航空成本	259
应用 8.5 银行和医院的范围经济	260
小结	264
复习题	264
问题	266
第 9 章 利润最大化和供给	269
企业的性质	269
应用 9.1 公司所得税和杠杆收购热潮	272
利润最大化	273
边际收益	276
边际收益曲线	280
价格接受企业的供给决策	282
应用 9.2 航空公司如何应对放松管制	283
应用 9.3 价格接受行为	285
应用 9.4 石油开采业为什么是如此大起大落的行业	289
小结	290
复习题	290
问题	291

第五篇 完全竞争

第 10 章 单一市场中的完全竞争	297
供给的时机选择	297
超短期定价	298
短期供给	299
应用 10.1 互联网拍卖	300
短期价格决定	302
供给和需求曲线的移动	304

应用 10.2 美国和巴西的乙醇补贴	308
长期	310
长期供给: 成本不变情形	312
长期供给曲线的形状	313
应用 10.3 电影租借行业	314
应用 10.4 网络外部性如何影响供给曲线	319
小结	320
复习题	321
问题	322
第 11 章 竞争性模型的应用	325
消费者和生产者剩余	325
应用 11.1 网上购物能增进福利吗	330
价格管制及其缺点	332
税负归宿	333
应用 11.2 租金管制: 为什么这个坏主意一直存在着	334
应用 11.3 烟草和解协议就是一种税	338
贸易限制	341
应用 11.4 传奇的钢铁保护主义的最新一幕	344
应用 11.5 美国糖业政策的酸涩	345
小结	346
复习题	346
问题	347
第 12 章 一般均衡和福利	350
一个完全竞争的价格系统	350
一般均衡为什么必不可少	351
一个简单的一般均衡模型	353
应用 12.1 利用计算机来为超额负担建模	354
完全竞争的效率	356
为什么市场达不到经济效率	358
应用 12.2 自由贸易的好处以及 NAFTA 和 CAFTA 的论战	360
效率与公平	362
埃奇沃思方盒图	363
应用 12.3 福利经济学第二定理	368
应用 12.4 商品货币	371
小结	372

复习题	372
问题	373

第六篇 市场势力

第 13 章 垄断	379
垄断的成因	379
利润最大化	380
应用 13.1 给狗洗澡需要许可证吗	381
垄断有什么不好	383
应用 13.2 谁在赌场赢钱	386
垄断的福利扭曲和福利转移	387
无谓损失的一个数字例子	389
应用 13.3 在达拉斯赚钱	390
价格歧视	391
应用 13.4 私人学院的资金资助	394
应用 13.5 在神奇王国的定价	396
应用 13.6 有线电视和卫星电视的套餐	399
自然垄断	400
应用 13.7 大家理解电话定价吗?	403
小结	404
复习题	405
问题	406
第 14 章 不完全竞争	409
综述: 同质产品的定价	409
古诺模型	411
应用 14.1 寡头垄断势力的度量	412
应用 14.2 加州的寡头	417
贝特兰德模型	418
产品差别化	421
应用 14.3 海滩上的竞争	423
应用 14.4 互联网搜索	427
默契合谋	428
应用 14.5 电力设备行业的阴谋	430
进入和退出	433