



## 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	產業與貿易		學年/學期 Academic Year/Semester		109/1
課程名稱(英文) Course Name in English	Industrial Organization and Trade Theory				
科目代碼 Course Code	APRSD0500	系級 Department & Year	博士	開課單位 Course-Offering Department	亞太區域研究博士班
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)	3.0/3.0		
授課教師 Instructor	/林燕淑				
先修課程 Prerequisite					
課程描述 Course Description					
<p>The main purpose of this course is to discuss international trade issues by integrating industrial organization theory. Why do we impose tariffs on imported products? Why do manufacturers outsource? Export or direct investment for a multinational firm, the impact of economic integration on social welfare, the effect of trade liberalization on domestic wages, and the impact of trade liberalization on domestic pollution, and so on.</p> <p>This course hopes to use the economic knowledge we have learned, coupled with the observation of economic phenomena, to do scientific analysis, and to have a better judgment on public issues.</p> <p>We are going to discuss the research methods in class, think about the logic of the problem, and set a model to find out the solution.</p> <p>I hope to train students who are interested in doing research. Students can apply this skill for futher research.</p>					
課程目標 Course Objectives					
<p>The development of international trade theory has developed for a long time, but the assumption of perfect competition or monopoly market structure commonly used in trade theory needs to be revised due to the development of industry. With incomplete competition and information, students can learn the role of "strategy" in trade theory and policy, and apply what they have learned to fields such as environmental economics, regional economics, and find out solutions in the age of digital economy. The most important thing is to cultivate students' ability to find problems, design models, answer questions, and write an essay/report.</p>					
圖示說明 Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated					
授課進度表 Teaching Schedule & Content					
週次 Week	內容 Subject/Topics				備註 Remarks
1	Introduction: Mathematics, Microeconomics, Industrial Organization.				must understand
2	Export Trade Policies: Bernhofen, 1997, Strategic Trade Policy in a Vertically Related Industry, Review of International Economics Brander and Spencer, 1985, Export Subsidies and International Market Share Rivalry, Journal of International Economics				Cournot
3	10/2 Full Moon Festival-holiday				

4	10/9 Nation Birthday-holiday	
5	Licensing Wang, 1998, Fee versus royalty licensing in a Cournot duopoly model, <i>Economics Letters</i> , 60, 55-62 Wang, X.W. 2002, Fee versus royalty licensing in a differentiated Cournot duopoly, <i>Journal of Economics &amp; Business</i> , 54, 253-266. Martin and Saracho, 2016, "Patent Strength and Optimal two-part tariff licensing with a potential rival incorporating ad valorem royalty, <i>Economics Letters</i> 143, 28-31	presentation 1
6	Vertical Product Differentiation: Choi C.J. and Shin H.S. (1992) "A Comment on a model of vertical product differentiation, " <i>Journal of Industrial Economics</i> , 229-231. Ikeda, T. and T.Toshimitsu (2010) "Third-degree price discrimination, quality choice, and welfare, " <i>Economics Letters</i> , 106, 54-56.	presentation 2
7	Privatization Wang, Mukherjee, and Zeng, (2020) "Does technology licensing matter for privatization? <i>Journal of Public Economic Theory</i> , 1-19. Vertical integration and separation Pinopoulos, 2019, On the welfare effects of vertical integration: Opportunism vs. double marginalization, <i>Economics Letters</i> , 169-172 Pinopoulos, 2019, Upstream horizontal mergers involving a vertically integrated firm, <i>Journal of Economics</i> Milliou 2020, Vertical integration without intrafirm trade, <i>Economics Letters</i> .	presentation 3
8	Post-production Services FDI and Outsourcing in a Service Industry: The Welfare Effect of Liberalizing Trade and Investment (Lu, Te-Cheng, Yan-Shu Lin and Jin-Li Hu, 2014. <i>Economic Record</i> , Vol. 90, Supplement s1, pages 74 - 86). Ishikawa, J., Morita, H. and Mukunoki, H. (2010), "FDI in Post-production Services and Product Market Competition," <i>Journal of International Economics</i> 82, 73-84.	presentation 4
9	Aftermarket services Ishikawa, J., Morita, H. and Mukunoki, H. (2016), "Trade liberalization and aftermarket services for imports," <i>Economic Theory</i> 62, 719-764.	presentation 5
10	final term report- issue presentation CSR(Corporate Social Responsibility): Goering, G.E.(2014) "The profit-maximizing case for corporate social responsibility in a bilateral monopoly," <i>Managerial and Decision Economics</i> , 35, 493-499. Brand, B. and M. Grothe(2015) "Social Responsibility in a bilateral Monopoly, " <i>Journal of Economics</i> , 115, 275-289. Chang, Yang-Ming, Chen, Hung-Yi, Wang, L.F.S, and Wu, Shih-Jye (2014), "Corporate Social Responsibility and International Competition: A Welfare Analysis" , <i>Review of International Economics</i> , Vol 22, 625 - 638. Goering, G.E.(2012) "Corporate social responsibility and marketing channel coordination," <i>Research in Economics</i> , 66, 142-148.	
11	Vertical licensing Vertical licensing, input pricing, and entry, Bakaouka and Millou, <i>International Journal of Industrial Organization</i> , 2018.	presentation 6
12	Parallel trade: Mukherjee, A. and L. Zhao (2012) "Profitable parallel trade in unionized markets," <i>Journal of Economics</i> , 107, 267-276. Matteucci, G. and P. Reverberi (2014) "Parallel trade, product quality, and Welfare," <i>Economics Letters</i> , 122, 258-262.	presentation 7
13	final term report- problem shooting	

14	Cournot and Bertrand/Stackelberg leader-follower Singh and Vives (1984), Price and Quantity competition in a differentiated duopoly, Rand Journal of Economics 546-554. Mukherjee and Zhao (2017), Profit raising entry, Journal of Industrial Economics	presentation 8
15	Bargaining Basak, (2017), Cournot and Bertrand under centralized bargaining, Economics Letters 154, 124-127. Basak, and Mukherjee (2017), Price vs. quantity competition in a vertically related market revisited, Economics Letters 153, 12-14.	presentation 9
16	External reference pricing Geng and Saggi, 2017, International effects of national regulations: External reference pricing and price controls, Journal of International Economics Geng and Saggi, 2020, Optimal price regulations in international pharmaceutical markets with generic competition, Journal of Health Economics	presentation 10
17	Multi-product firm Kopel, Loffler, and Pfeiffer (2017) "Complementary monopolies and multi-product firms," Economics Letters, 28-30. Kopel, Loffler, and Pfeiffer (2016) Sourcing strategies of a multi-input-multi-product firm, Journal of Economic Behavior & Organization 127, 30-45	presentation 11
18	final term report presentation	

教學策略 Teaching Strategies

- 課堂講授 Lecture                     
 分組討論 Group Discussion                     
 參觀實習 Field Trip  
 其他 Miscellaneous: research learning

教學創新自評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

- 問題導向學習(PBL)                     
 團體合作學習(TBL)                     
 解決導向學習(SBL)  
 翻轉教室 Flipped Classroom                     
 磨課師 Moocs

社會責任(Social Responsibility)

- 在地實踐 Community Practice                     
 產學合作 Industry-Academia Cooperation

跨域合作(Transdisciplinary Projects)

- 跨界教學 Transdisciplinary Teaching                     
 跨院系教學 Inter-collegiate Teaching

- 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance	13%		✓	✓					attendance
期中考成績 Midterm Exam	17%	✓					✓		term paper idea presentation
期末考成績 Final Exam	20%		✓	✓	✓	✓			term paper presentation
作業成績 Homework and/or Assignments	30%	✓		✓	✓	✓			20% PPT, 10% presentation
其他 Miscellaneous (PPT presentation and discussion in class)	20%	✓	✓	✓	✓	✓			10% join discussion, 10% Advanced discussion

評量方式補充說明

Grading & Assessments Supplemental instructions

distribute your PPT 24 hours before your presentation, the earlier the better.  
Please join discussion in class.

教科書與參考書目 (書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Recent Journal Paper or Working Paper

Christopher Snyder and Walter Nicholson, Microeconomic Theory: Basic Principles and Extensions, 11th edition, 2012. South-Western. (SN)

Alpha C. Chiang and Kevin Wainwright, Fundamental Methods of Mathematical Economics, 4th edition, 2005. McGraw Hill. (CW)

課程教材網址(含線上教學資訊, 教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.  
Personal website can be listed here.)

E學院網站  
e-learning platform

其他補充說明 (Supplemental instructions)

Enjoying learning