



## 教學計劃表 Syllabus

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|--|--|-----------------------------|---------------------------------|---|
| 課程名稱(中文)<br>Course Name in Chinese   | 國際貿易理論與政策(一)   |                             | 學年/學期<br>Academic Year/Semester | 111/1   |
| 課程名稱(英文)<br>Course Name in English   | International Trade Theory and Policy(I)   |                             |                                 |   |
| 科目代碼<br>Course Code  | EC_M5300   | 系級<br>Department & Year     | 碩士                              | 開課單位<br>Course-Offering Department  |
| 修別<br>Type   | 必修 Required  | 學分數/時間<br>Credit(s)/Hour(s) | 3.0/3.0                         |   |
| 授課教師<br>Instructor   | /林燕淑   |                             |                                 |   |
| 先修課程<br>Prerequisite   |  |                             |                                 |   |
| <b>課程描述 Course Description</b>   |  |                             |                                 |   |
| <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> |  |                             |                                 |   |
| <b>課程目標 Course Objectives</b>  |  |                             |                                 |   |
| <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>  |  |                             |                                 |   |
| 系專業能力<br>Basic Learning Outcomes   |  |                             |                                 | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.'s Education Objectives |
| A  | 數理分析能力：通曉經濟學的進階理論技巧，應用數學與賽局解決經濟議題的能力。<br>Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.  |                             |                                 | ●   |
| B  | 實證經濟分析能力：通曉經濟學的進階實證技巧，善用資訊科技進行資訊蒐集、資料統計與計量分析。<br>Empirical analysis skills: Mastering in intermediate application of statistics and econometrics in data collection and examination. |                             |                                 |   |
| C  | 微觀經濟之闡釋能力：通曉進階個體經濟學相關的理論與應用。<br>Microeconomic perspective: Thorough understanding of intermediate microeconomic theories and relevant application.                                   |                             |                                 | ●   |
| D  | 宏觀經濟之闡釋能力：通曉進階總體經濟學相關的理論與應用。<br>Macroeconomic perspective: Thorough understanding of intermediate macroeconomic theories and relevant application.                                   |                             |                                 | ○   |

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|---|---|---|
| E | 樂活能力：具備適應現代社會的進階學養以及就業能力。Employment opportunities: Capabilities of intermediate working on important policy and decision challenges in business and government. | ○ |
| F | 溝通表達能力：思路清晰，有能力與人溝通並撰寫進階專業研究報告。Communication skills: Having a clear mind and capability in writing an intermediate professional academic report.                | ○ |

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:<br>Mathematics, Microeconomics, Industrial Organization.<br>Very important, Must join the class for three hours.   | must understand |
| 2       | Licensing<br>Wang, 1998, Fee versus royalty licensing in a Cournot duopoly model, Economics Letters, 60, 55-62<br>Wang, X.W. 2002, Fee versus royalty licensing in a differentiated Cournot duopoly, Journal of Economics & Business, 54, 253-266.<br>Martin and Saracho, 2016, "Patent Strength and Optimal two-part tariff licensing with a potential rival incorporating ad valorem royalty, Economics Letters 143, 28-31   | homework        |
| 3       | Export Trade Policies:<br>Bernhofen, 1997, Strategic Trade Policy in a Vertically Related Industry, Review of International Economics<br>Brander and Spencer, 1985, Export Subsidies and International Market Share Rivalry, Journal of International Economics  | small test      |
| 4       | Vertical Integration and Separation<br>Pinopoulos, 2019, On the welfare effects of vertical integration: Opportunism vs. double marginalization, Economics Letters, 169-172<br>Pinopoulos, 2019, Upstream horizontal mergers involving a vertically integrated firm, Journal of Economics<br>Milliou 2020, Vertical integration without intrafirm trade, Economics Letters.  | presentation 1  |
| 5       | CSR(Corporate Social Responsibility):<br>Goering, G.E. (2014) "The profit-maximizing case for corporate social responsibility in a bilateral monopoly," Managerial and Decision Economics, 35, 493-499.<br>Brand, B. and M. Grothe(2015) "Social Responsibility in a bilateral Monopoly," Journal of Economics, 115, 275-289.<br>Chang, Yang-Ming, Chen, Hung-Yi, Wang, L.F.S, and Wu, Shih-Jye (2014), "Corporate Social Responsibility and International Competition: A Welfare Analysis", Review of International Economics, Vol 22, 625 - 638.<br>Goering, G.E. (2012) "Corporate social responsibility and marketing channel coordination," Research in Economics, 66, 142-148. | presentation 2  |
| 6       | Vertical Product Differentiation:<br>Choi C.J. and Shin H.S. (1992) "A Comment on a model of vertical product differentiation," Journal of Industrial Economics, 229-231.<br>Ikeda, T. and T.Toshimitsu (2010) "Third-degree price discrimination, quality choice, and welfare," Economics Letters, 106, 54-56.  | presentation 3  |
| 7       | Privatization<br>Wang, Mukherjee, and Zeng, (2020) "Does technology licensing matter for privatization? Journal of Public Economic Theory, 1-19.   | presentation 4  |
| 8       | Partial Ownership<br>Papadopoulos, Petrakis, and Skartados, (2019) "Product innovation transfer under passive partial ownership holdings," Economics Letters 177, 22-25.   | presentation 5  |

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| 9  | Mid-term examination<br>final term report- issue presentation<br>final term paper: including the abstract (around 200 words, cover page), introduction, (the body), conclusion, references (at least 10), 8 pages in total.  |                  |
| 10 | 全校運動會(停課一天)<br>Sports activity (Holiday)   |                  |
| 11 | Vertical licensing<br>Vertical licensing, input pricing, and entry, Bakaouka and Millou, International Journal of Industrial Organization, 2018.   | presentation 6   |
| 12 | Parallel trade:<br>Mukherjee, A. and L. Zhao (2012) "Profitable parallel trade in unionized markets," Journal of Economics, 107, 267-276.<br>Matteucci, G. and P. Reverberi (2014) "Parallel trade, product quality, and Welfare," Economics Letters, 122, 258-262.                            | presentation 7   |
| 13 | Multi-product firm<br>Kopel, Loffler, and Pfeiffer (2017) "Complementary monopolies and multi-product firms," Economics Letters, 28-30.<br>Kopel, Loffler, and Pfeiffer (2016) Sourcing strategies of a multi-input-multi-product firm, Journal of Economic Behavior & Organization 127, 30-45 | presentation 8   |
| 14 | Cournot and Bertrand/Stackelberg leader-follower<br>Singh and Vives (1984), Price and Quantity competition in a differentiated duopoly, Rand Journal of Economics 546-554.<br>Mukherjee and Zhao (2017), Profit raising entry, Journal of Industrial Economics                                 | presentation 9   |
| 15 | Bargaining<br>Basak, (2017), Cournot and Bertrand under centralized bargaining, Economics Letters 154, 124-127.<br>Basak, and Mukherjee (2017), Price vs. quantity competition in a vertically related market revisited, Economics Letters 153, 12-14.   | presentation 1 0 |
| 16 | Transfer pricing<br>Aya, Mittendorf, and Yoon (2008), Friction in related-party trade when a rival is also a customer, Management Science 54, 1850-1860.   | presentation 1 1 |
| 17 | final term report presentation, your comments on other reports<br>final term paper: including 【the title, abstract (around 200 words, cover page 1 page)】 , 【introduction, the body, conclusion (6 pages)】 , 【references (at least 10, 1 page)】 , 8 pages in total, appendix can be excluded.  | presentation 1 2 |
| 18 |  |                  |

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  
Teaching Schedule & Content adjust according to learning progress

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<br>Items  | 配分比例<br>Percentage | 多元評量方式 Assessments |          |          |          |          |          |          |                                      |
|  |                    | 測驗<br>會考           | 實作<br>觀察 | 口頭<br>發表 | 專題<br>研究 | 創作<br>展演 | 卷宗<br>評量 | 證照<br>檢定 | 其他                                   |
| 平時成績 General Performance   | 15%                |                    | ✓        | ✓        |          |          |          |          | attendance                           |
| 期中考成績 Midterm Exam   | 30%                | ✓                  |          |          |          |          | ✓        |          | Test/Term paper<br>idea presentation |
| 期末考成績 Final Exam   | 20%                |                    | ✓        | ✓        | ✓        | ✓        |          |          | term paper<br>presentation           |
| 作業成績 Homework and/or Assignments   | 15%                | ✓                  |          | ✓        | ✓        | ✓        |          |          | 5% HW, 10% Small Test                |
| 其他 Miscellaneous (PPT presentation and discussion in class)  | 20%                | ✓                  | ✓        | ✓        | ✓        | ✓        |          |          | see below                            |
| 評量方式補充說明<br>Grading & Assessments Supplemental instructions  |                    |                    |          |          |          |          |          |          |                                      |
| <p>distribute your PPT 24 hours before your presentation, the earlier the better (10% PPT, 10% presentation)--presenters<br/>Please join our discussion in class, very important.<br/>Miscellaneous: 10% join discussion, 10% Advanced discussion--non presenters<br/>final term paper: including the abstract (around 200 words, cover page), introduction, (the body), conclusion, references (at least 10), 8 pages in total.</p> |                    |                    |          |          |          |          |          |          |                                      |
| 教科書與參考書目 (書名、作者、書局、代理商、說明)<br>Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)  |                    |                    |          |          |          |          |          |          |                                      |
| Recent Journal Paper or Working Paper  |                    |                    |          |          |          |          |          |          |                                      |
| <p>Christopher Snyder and Walter Nicholson, Microeconomic Theory: Basic Principles and Extensions, 11th edition, 2012. South-Western. (SN)<br/>Alpha C. Chiang and Kevin Wainwright, Fundamental Methods of Mathematical Economics, 4th edition, 2005. McGraw Hill. (CW)</p>   |                    |                    |          |          |          |          |          |          |                                      |
| 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)<br>Teaching Aids & Teacher's Website(Including online teaching information.<br>Personal website can be listed here.)   |                    |                    |          |          |          |          |          |          |                                      |
| <p>E學院網站<br/>e-learning platform<br/>TA time: Tuesday pm 6:00, place TBA</p>   |                    |                    |          |          |          |          |          |          |                                      |
| 其他補充說明 (Supplemental instructions)   |                    |                    |          |          |          |          |          |          |                                      |
| Enjoying learning  |                    |                    |          |          |          |          |          |          |                                      |