



## 教學計劃表 Syllabus

|                                    |                     |                             |    |                                       |       |
|------------------------------------|---------------------|-----------------------------|----|---------------------------------------|-------|
| 課程名稱(中文)<br>Course Name in Chinese | 個體經濟學(下)            |                             |    | 學年/學期<br>Academic Year/Semester       | 110/2 |
| 課程名稱(英文)<br>Course Name in English | Microeconomics (II) |                             |    |                                       |       |
| 科目代碼<br>Course Code                | EC__20220           | 系級<br>Department<br>& Year  | 學二 | 開課單位<br>Course-Offering<br>Department | 經濟學系  |
| 修別<br>Type                         | 學程 Program          | 學分數/時間<br>Credit(s)/Hour(s) |    | 3.0/3.0                               |       |
| 授課教師<br>Instructor                 | / 梁文榮               |                             |    |                                       |       |
| 先修課程<br>Prerequisite               | / #個體經濟學(上)         |                             |    |                                       |       |

### 課程描述 Course Description

本課程涵蓋產品市場理論、要素市場、一般均衡與福利經濟學，講解方式以圖解說明為主，數學推導為輔，教導學生個體經濟學的分析方法，注重經濟邏輯推理。本課程為修習經濟專業課程如財政學、產業經濟學、國際貿易理論、區域經濟學等的基礎課程，也是國家考試科目經濟學的主要內容。

### 課程目標 Course Objectives

本課程主要目標在使同學進一步了解個體經濟學，除了在理論方面作更深入之探討，並將介紹如何將理論運用於實務分析。

| 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：應用數學與賽局理論分析與解決經濟議題的能力。Mathematical analysis skills: application of mathematical theories and game theory to analyze economic issues      | ●                                                                                       |
| B                                | 實證經濟分析能力：善用資訊科技進行資訊蒐集、資料統計與計量分析。Empirical analysis skills: application of statistics and econometrics in data collection and examination        | ○                                                                                       |
| C                                | 微觀經濟之闡釋能力：通曉個體經濟學相關的理論與應用。Microeconomic perspective: understanding of microeconomic theories and relevant application                           | ●                                                                                       |
| D                                | 宏觀經濟之闡釋能力：通曉總體經濟學相關的理論與應用。Macroeconomic perspective: understanding of macroeconomic theories and relevant application                           |                                                                                         |
| E                                | 樂活能力：具備適應現代社會的學養以及就業能力。Employment opportunities: capabilities of working on important policy and decision challenges in business and government | ●                                                                                       |

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       | 完全競爭市場 (1)：完全競爭市場特徵；Short-Run Profit-Maximization；The Shutdown Decision；廠商短期供給線；短期均衡條件                                     |            |
| 2       | 完全競爭市場 (2)：進出市場決策；長期均衡條件；Price Elasticity of Supply；完全競爭市場之課稅效果：從量稅 (specific tax)，從價稅 (ad valorem tax)，定額稅 (lump-Sum tax) |            |
| 3       | Monopoly (獨占) (1)：獨占形成之原因；Price, MR & Price Elasticity of Demand；利潤極大條件；獨占廠商之供給曲線不存在；多工廠的獨占廠商                              |            |
| 4       | Monopoly (獨占) (2)：不同市場取統一價格；第三級價格歧視；第一級價格歧視；獨占之管制；獨占力之測定                                                                   |            |

|    |                                                                                                                                                                                                                                                                                                           |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 5  | Oligopoly (寡占) (1) : 寡占市場特徵; Models of Conjectural Variation; The Cournot Model; The Stackelberg Model; Bertrand模型                                                                                                                                                                                        |  |
| 6  | Oligopoly (寡占) (2) : The Edgeworth Model; The Kinked demand Curve Model; Dominant-Firm Price Leadership (價格領導廠商); Cartel                                                                                                                                                                                  |  |
| 7  | Oligopoly (寡占) (3) : 卡特爾的安定性與維持市場份額法則; Location Model; Representing Games in Normal Form (賽局的標準形式表現方法)                                                                                                                                                                                                    |  |
| 8  | Oligopoly (寡占) (4) : Strategy; Dominant Strategy (優勢策略)                                                                                                                                                                                                                                                   |  |
| 9  | 期中考試週 Midterm Exam                                                                                                                                                                                                                                                                                        |  |
| 10 | Oligopoly (寡占) (5) : Prisoner's dilemma; Iterated Dominance (重複優勢); Nash Equilibrium; Mixed Strategies (混合策略); 兩個單純 (Both-Pure)及混合策略均衡;                                                                                                                                                                   |  |
| 11 | Oligopoly (寡占) (6) : Sequential-Move Game (序列移動賽局); Entry Deterrence (進入障礙); Monopolistic Competition (獨占競爭): 短期均衡; 長期均衡                                                                                                                                                                                  |  |
| 12 | Monopolistic Competition (獨占競爭): 短期均衡; 長期均衡<br>The Factors of Production (生產要素) (1): 邊際產值(VMP), 邊際生產收益量(MRP), 平均生產收益量(ARP); VMPL, MRPL, ARPL三者之關係; 邊際要素成本(MFC), 平均要素成本(AFC);                                                                                                                              |  |
| 13 | The Factors of Production (生產要素) (1): 邊際產值(VMP), 邊際生產收益量(MRP), 平均生產收益量(ARP); VMPL, MRPL, ARPL三者之關係; 邊際要素成本(MFC), 平均要素成本(AFC); 廠商利潤極大的要素使用量; 廠商的勞動需求曲線; 利潤極大化之要素價格; The Labor Supply Curve (勞動供給曲線); The Work Incentives of Inheritances (遺產) Versus Earnings (工資收入); Labor Supply and Overtime Pay (加班費); |  |
| 14 | The Factors of Production (生產要素) (2): Imperfect Competition : 要素市場為完全競爭市場, 產品市場為專賣; 產品市場為完全競爭市場, 要素市場為專買; 產品市場為專賣, 要素市場為專買; 要素專買與工資歧視; 雙邊獨占 (Bilateral Monopoly)                                                                                                                                          |  |
| 15 | General Equilibrium (一般均衡) (1): Efficiency (效率), and Economic Welfare (經濟福利); Edgeworth Box (箱形圖); Exchange Efficiency (交換效率); Pareto Optimality (柏拉圖最適境界); Contract Curve (契約線); Production Efficiency (生產效率)                                                                                            |  |
| 16 | General Equilibrium (一般均衡) (2): 生產的契約線; Exchange and Production Efficiency Combined; 生產可能曲線; 單一 (Single) 消費者, 兩種產品之生產—交換效率; 兩個消費者, 兩產品之生產—交換效率; 效用可能界限 (Utility Possibility Frontier, UPF); Grand Utility Possibility Frontier (最佳效用可能曲線);                                                                |  |
| 17 | Welfare Economics (福利經濟學): 社會福利函數; 次佳理論; The first theorem of the classical Welfare economics; The Second theorem of the classical Welfare Economics                                                                                                                                                      |  |
| 18 | 期末考試週 Final Exam                                                                                                                                                                                                                                                                                          |  |

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:

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(含出缺席)<br>General Performance<br>(Attendance Record)                                                                                              | 30%                | ✓                  |          |          |          |          |          |          |      |
| 期中考成績 Midterm Exam                                                                                                                                    | 30%                | ✓                  |          |          |          |          |          |          |      |
| 期末考成績 Final Exam                                                                                                                                      | 30%                | ✓                  |          |          |          |          |          |          |      |
| 作業成績 Homework and/or<br>Assignments                                                                                                                   |                    |                    |          |          |          |          |          |          |      |
| 其他 Miscellaneous<br>(_____)                                                                                                                           | 10%                |                    |          |          |          |          |          |          | 課堂表現 |
| 評量方式補充說明<br>Grading & Assessments Supplemental instructions<br>平時成績包括二次平時考，各占15%。                                                                     |                    |                    |          |          |          |          |          |          |      |
| 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.)<br>參考書目：個體經濟學，蔡攀龍、張寶塔，二版，華泰文化。             |                    |                    |          |          |          |          |          |          |      |
| 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.) |                    |                    |          |          |          |          |          |          |      |
| 其他補充說明 (Supplemental instructions)                                                                                                                    |                    |                    |          |          |          |          |          |          |      |