



教學計劃表 Syllabus

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| 課程名稱(中文) Course Name in Chinese | 個體經濟分析(二) | | | 學年/學期 Academic Year/Semester | 103/1 |
| 課程名稱(英文) Course Name in English | Microeconomic Analysis(II) | | | | |
| 科目代碼 Course Code | IIE_58000 | 系級 Department & Year | 碩士 | 開課單位 Course-Offering Department | 經濟學系 |
| 修別 Type | 選修 Elective | 學分數/時間 Credit(s)/Hour(s) | | 3.0/3.0 | |
| 授課教師 Instructor | /郭平欣 | | | | |
| 先修課程 Prerequisite | | | | | |
| 課程描述 Course Description | | | | | |
| <p>個體經濟學主要探討經濟體如何透過市場來解決生產與分配的問題。本課程將以先進的數學技巧，佐以經濟推理的直觀，分析市場經濟的社會福利效果，以及市場結構與市場失效對社會福利的影響。</p> <p>透過對市場經濟的分析，學生要學習應用經濟分析的數學技巧與直觀推理，知道如何解決在有限資源以及競爭者互動下的選擇問題，為未來撰寫論文奠定基礎。</p> <p>This course covers advanced techniques of microeconomic analysis that are used in state of the art economic research, treated from a general, critical, and rigorously mathematical standpoint.</p> <p>Focus on five main areas in microeconomic analysis: consumer theory, producer theory, choice under uncertainty, non-cooperative game theory, and economics of information. In addition to the analytical techniques, this course also emphasize the economic intuitions behind theories.</p> | | | | | |
| 課程目標 Course Objectives | | | | | |
| <p>This course covers advanced techniques of microeconomic analysis that are used in state of the art economic research, treated from a general, critical, and rigorously mathematical standpoint.</p> <p>Focus on five main areas in microeconomic analysis: consumer theory, producer theory, choice under uncertainty, non-cooperative game theory, and economics of information. In addition to the analytical techniques, this course also emphasize the economic intuitions behind theories</p> | | | | | |
| 系專業能力 Basic Learning Outcomes | | | | | 課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives |
| A | 數理分析能力：通曉經濟學的理論技巧，應用數學與賽局解決經濟議題的能力。Mathematical analysis skills: Mastering in 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。Empirical analysis skills: Mastering in 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: Thorough 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: Thorough understanding of macroeconomic theories and relevant applicatio | | | | |
| 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 | | | | |
| F | 溝通表達能力：思路清晰，有能力與人溝通並撰寫專業研究報告。Communication skills: Having a clear mind and capability in writing a 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 | |
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| 週次Week | 內容 Subject/Topics | 備註Remarks |
|--------|---|-----------|
| 1 | Summer | |
| 2 | 經濟分析之基礎 | |
| 3 | Classical Demand Theor | |
| 4 | Classical Demand Theory | |
| 5 | Classical Demand Theory | |
| 6 | Classical Demand Theory | |
| 7 | Classical Demand Theory | |
| 8 | Midterm Exam 1 | |
| 9 | Production | |
| 10 | Production | |
| 11 | Choice under Uncertainty | |
| 12 | Choice under Uncertainty | |
| 13 | Midterm Exam 2 | |
| 14 | Basic Elements of Non-Cooperative Games | |
| 15 | Simultaneous-Move Games | |
| 16 | Dynamic Games | |
| 17 | Auctions and Bidding | |
| 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:

學期成績計算及多元評量方式 Grading & Assessments

[illegible]

評量方式補充說明

Grading & Assessments Supplemental instructions

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.)

教科書

Andreu Mas-Colell, Michael D. Whinston, and Jerry R. Green, Microeconomic Theor

課程教材網址（教師個人網址請列在本校內之網址）

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

其他補充說明 (Supplemental instructions)