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②国玄東華大學

課 網 Course Outline

經濟學系博士班國際組

Cou	C課程名稱 rse Name in nese	計量經濟分析(二)					
英文課程名稱 Course Name in English		Econometric Analysis (II)					
科目代碼 Course Code		ECD0210	班 別 博士班 Degree Ph. D.				
修別 Type		必修 Required	學分數 Credit(s)	3. 0	時 數 Hour(s)	3.0	
	を課程 requisite			·	·		
			課程目標				
Course Objectives							
Econometric Analysis (II) is a required course in the Ph.D. program. Ph.D. students must acquire some basic trainings in econometrics to conduct empirical analysis and forecasting based on economic theory. This course is also a distinguishing characteristic in the Ph.D. program.							
			系教身日标 ucation Object	ives			
培育具獨立學術研究與專業能力之優秀經濟人才。 1 Foster potential talents with professional knowledge and empirical skills in economics.							
	系專業能力					課程目標與系專業能 力相關性 Correlation	
Basic Learning Outcomes					Objective Dept.'s	between Course Objectives and Dept.'s Education Objectives	
	數理分析能力:通曉經濟學的高階理論技巧,應用數學與賽局解決經濟						
A	議題的能力 Mathematical analysis skills: Mastering in advanced application of mathematical theories and game theory in analyzing economic issues						
В	訊蒐集、資料統計 Empirical analys	:通曉經濟學的高階實 與計量分析。 is skills: Mastering conometrics in data	in advanced a	pplication of	lication of		
С	微觀經濟之闡釋能力:通曉高階個體經濟學相關的理論與應用						

D	宏觀經濟之闡釋能力:通曉高階總體經濟學相關的理論與應用 Macroeconomic perspective: Thorough understanding of advanced macroeconomic theories and relevant application						
Е	自我調整適應社會之能力: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	0					
F	溝通表達能力:思路清晰,有能力與人溝通並撰寫高階專業研究報告 Communication skills: Having a clear mind and profound ability in presenting advanced professional academic research						
圖力	圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
	課程大綱 Course Outline						
2. M 3. H 4. A 5. G 6. F 7. G	1. Nonlinear Regression Models 2. Nonspherical Disturbances: Generalized Linear Regression Model 3. Heteroscedasticity 4. Autocorrelation 5. Generalized Method of Moments Estimation 6. Panel Data 7. Computation—Intensive Methods Monte Carlo Methods and Bootstrapping 8. Quantile Regression						
	資源需求評估(師資專長之聘任、儀器設備的配合・・・等) Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)						
	This course will be taught by the instructor in our department. We will use a notebook, a projector and a statistic software to teach this course.						
	課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods						
	其他 Miscellaneous						