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②國玄東華大學

教學計劃表 Syllabus

	名稱(中文) me in Chinese	環境經濟學	ster 109/2					
	課程名稱(英文) urse Name in English Environmental Economics							
	·目代碼 rse Code	IIE_56100	Department 碩士 Course-		開課單位 Course-Offering Department	經濟學系		
修別 Type 選修 Elective P分數/時間 Credit(s)/Hour(s) 3.0/3.						0/3.0		
授課教師 Instructor /林慧菁								
	先修課程 Prerequisite							
		課	程描述 Course	e Descript	tion			
	並討論研究分析環 以經濟分析工具評			獻,使同學	學瞭解當前的環境保護	政策背	後的經濟理念,	
		課	程目標 Cours	se Objecti	ives			
介紹當前的環境經濟政策之理論架構與分析方法,如:environmental philosophy and ethics, markets and efficiency, the valuation of environmental amenities, pollution regulation, policy options and analysis; and international issues。								
課程目標與系專業能 力相關性 《A專業能力 《Correlation between Course Objectives Basic Learning Outcomes and Dept.'s Education Objectives								
A Mather	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。A.							
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。Empirical analysis skills: Mastering in intermediate application of statistics and econometrics in data collection and examination								
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。Microeconomic perspective: Thorough understanding of intermediate microeconomic theories and relevant application								
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Macroeconomic perspective: D Thorough understanding of intermediate macroeconomic theories and relevant application								
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: E Capabilities of intermediate working on important policy and decision challenges in business and government								
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/Topic	cs		,	備註Remarks	
1 開學週 課程介紹								

2	放假 (no class this Monday) Hanley: the Economics Perspective on the Environment (Ch 1)	3/1 補假
	Hanley: (Ch 1),	
3		
	Issues and Trend:	
	Tim Jackson, Prosperity Without Growth, 2009, 2017 Issues and Trend: (continued)	
4	D. A. Underwood (1998), "The institutional origins of crisis for	
	economy and ecology",	
	Journal of Economic Issues, 32(2), 513-522.	
4		
	Bill Shaw (2001), "Economics and the environment-A land ethic	
	critique of economic policy", Journal of Business Ethics, 33, 51-57.	
	Issues and Trend: (continued)	
	John M. Gowdy (2004), "The Revolution in Welfare Economics and Its	
	Implications for Environmental Valuation and Policy",	
	Land Economics, 80(2), 239-257.	
	David D. Davida (2000) "Faving and David D	
5	Paul R. Portney(2000), "Environmental Problems and Policy: 2000-2050",	
	The Journal of Economic Perspectives, 14(1), 199-206.	
	optional: Description D. Constant, M. Soott Toulon (2004) "Trade County and the	
	Brian R. Copeland; M. Scott Taylor (2004), "Trade, Growth, and the Environment",	
	Journal of Economic Literature, 42(1), 7-71.	
6	Basic Concepts: Market Failure (Hanley Ch 2, p. 22-42)	
7	Basic Concepts: Market Failure (Hanley Ch 2, p. 22-42)	1 /E 2+ m2
7	放假 (no class this Monday)	4/5 補假
	The Problem of Social Cost	
8	R. H. Coase Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp.	
	1-44.	
9	期中考試週 Midterm Exam (take-home exam, due next Monday)	Take-home exam
	The Problem of Social Cost:	
	R. H. Coase, "The Problem of Social Cost", Journal of Law and	
10	Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.	
	and comments	
	The "Coase Theorem": A Reexamination—Comment	
	Jeffrey F. Jaffe	
	The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975),	
11	pp. 660–661.	
	The "Coase Theorem": A Reexamination	
	G. A. Mumey	
	The Quarterly Journal of Economics, Vol. 85, No. 4. (Nov., 1971),	
	pp. 718–723.	
12	Information: (Ch 2, p. 43-57) Information and the Coase Theorem	
	Joseph Farrell	
	The Journal of Economic Perspectives, Vol. 1, No. 2. (Autumn,	
	1987), pp. 113–129.	
	and Externalities:	
1	and anticipation.	1

13	Externalities: Decentralization, Externalities, and Efficiency Peter Klibanoff; Jonathan Morduch The Review of Economic Studies, Vol. 62, No. 2. (Apr., 1995), pp. 223-247. and Asymmetric Information	
	Externalities and Asymmetric Information	
14	Jeremy Greenwood; R. Preston McAfee The Quarterly Journal of Economics, Vol. 106, No. 1. (Feb., 1991), pp. 103-121.	
	and Porter's Hypothesis	
15	Regulation and innovation: (Porter's Hypothesis) Tightening Environmental Standards: The Benefit-Cost or the No-Cost Paradigm? Karen Palmer; Wallace E. Oates; Paul R. Portney The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 119-132.	
	Toward a New Conception of the Environment-Competitiveness Relationship Michael E. Porter; Claas van der Linde The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 97-118.	
16	Pollution Control Polic (Porter's Hypothesis) A theoretical foundation of the Porter hypothesis Stefan Ambec and Philippe Barlac Economics Letters Volume 75, Issue 3, May 2002, Pages 355-360	Final take-home exam will be posted (6/20) 給期末考題目
17	放假 (no class this Monday) Transaction Costs and Tradeable Permits Stavins Robert N. Journal of Environmental Economics and Management Volume 29, Issue 2, September 1995, Pages 133-148 y and R&D Investment: Permits, Standards, and Technology Innovation Juan-Pablo Montero Journal of Environmental Economics and Management Volume 44, Issue 1, July 2002, Pages 23-44	6/14 放假
18	期末考試週 Final Exam (期末口頭報告)(交take-home exam)	 Oral presentation hand in your take-
		home exam

教 學 策 略 Teaching Strategies						
✓ 課堂講授 Lecture ✓ 分組討論Group Discussion 参觀實習 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 Industy-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:						

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		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(含出缺席) General Performance (Attendance Record)	10%		~						
期中考成績 Midterm Exam	30%	>							
期末考成績 Final Exam	30%	~							
作業成績 Homework and/or Assignments	30%			~					口頭報告後並繳交 學其報告1篇
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

期末報告一篇,期中、期末考(take-home exam)。

期末報告:佔30%,

期中、期末考:各佔30%,

平時成績:佔10%

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.)

參考資料 (教科書)

Hanley, N., J. F. Shogren and B. White, 1997, Environmental Economics: in Theory and Practice, Oxford University Press. (代理商未知,如無法買到,可能以印講義方式或以替代教材處理)

參考資料:將於課前通知,如有可能將放在網頁上供同學下載。

Freeman, A. M., III, 1993, The Measurement of Environmental and Resource Values, Washington DC: Resources for the Future.

Dorfman, R. and N. S. Dorfman, eds., 1993, Economics of the Environment: Selected Readings, 3rd Edition. New York: Norton.

等等……

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.)

http://faculty.ndhu.edu.tw/~hclin/index.html

其他補充說明 (Supplemental instructions)