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②国玄東華大學

教學計劃表 Syllabus

\m 4-	h et (1)								
	名稱(中文) me in Chinese	環境經濟學					110/2		
	名稱(英文) me in English	sh Environmental Economics							
	-目代碼 rse Code	ECD0180	系級 Department 博士 & Year		開課單位 Course-Offering Department		經濟學系		
	修別 Type 選修 Elective						3.0		
	授課教師 Instructor /林慧菁								
	先修課程 Prerequisite								
		課	程描述 Cours	e Descrip	tion				
主要以講解並討論研究分析環境經濟議題的期刊論文與相關文獻,使同學瞭解當前的環境保護政策背後的經濟理念,並學習如何以經濟分析工具評估環境保護政策的利弊得失。									
		課	程目標 Cour	se Object	ives				
Presenting the contemporary framework of economic analysis concerning environmental policy, for example, 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 analys	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議題的能力Mathematical analysis skills: Mastering in advanced application of mathematical theories and game theory in analyzing economic issues						0		
實證經濟分析能力:通曉經濟學的高階實證技巧,善用資訊科技進行資訊蒐集、資料統計與計量 B 分析。Empirical analysis skills: Mastering in advanced application of statistics and econometrics in data collection and examination									
	類經濟之關釋能力:通時高階個體經濟學相關的理論與應用Microeconomic perspective:								
Thoro	Thorough understanding of advanced macroeconomic theories and relevant application								
E Capab	樂活能力:具備適應現代社會的高階學養以及就業能力Employment opportunities: Capabilities of advanced 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高階專業研究報告Communication skills: Having a clear mind and profound ability in presenting advanced professional academic research									
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/Topi	備註Remarks					
1	1 開學週課程介紹								
1									

	Hanley: (Ch 1),	
3		no class (2/28)
	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.	
	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.	
	Paul R. Portney(2000), "Environmental Problems and Policy: 2000-	
5	2050", The Journal of Economic Perspectives, 14(1), 199-206.	
	optional: 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)	
7	Basic Concepts:Market Failure (Hanley Ch 3)	
	The Problem of Social Cost	
8	R. H. Coase Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp.	no class (4/4)
	1-44.	
9	期中考試週 Midterm Exam	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. Information: (Ch 2, p. 43-57)	
12	Information and the Coase Theorem	
	Joseph Farrell The Journal of Economic Perspectives, Vol. 1, No. 2. (Autumn,	
	1987), pp. 113-129.	
	and Externalities:	
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 Jeremy Greenwood; R. Preston McAfee					
The Quarterly Journal of Economics, Vol. 106, No. 1. (Feb., 1991), pp. 103-121.						
	and Porter's Hypothesis					
	Tightening Environmental Standards: The Benefit-Cost or the No-Cost Paradigm?					
	Karen Palmer; Wallace E. Oates; Paul R. Portney					
15	The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 119-132.					
10	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. Pollution Control Polic (Porter's Hypothesis)					
16	A theoretical foundation of the Porter hypothesis					
10	Stefan Ambec and Philippe Barlac Economics Letters					
	Volume 75, Issue 3, May 2002, Pages 355-360 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	Final take-home exam				
17	Investment : Permits, Standards, and Technology Innovation	will be posted 給期末考題目				
	Juan-Pablo Montero Journal of Environmental Economics and Management					
	Volume 44, Issue 1, July 2002, Pages 23-44					
10	期末考試週 Final Exam	1. Oral presentation				
18	(期末口頭報告)(交take-home exam)	2. hand in your take- home exam				
	教 學 策 略 Teaching Strategies					
✓ 課堂講	授 Lecture	Field Trip				
其他Mi	scellaneous:					
	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	P 習(SBL)				
翻轉教	室 Flipped Classroom					
社會責任(Social Responsibility)					
在地實	踐Community Practice	ion				
跨域合作(Transdisciplinary Projects)					
一 跨界教	學Transdisciplinary Teaching 跨院系教學Inter-collegiate Teaching	<u> </u>				
業師合	授 Courses Co-taught with Industry Practitioners					
其它 othe	r·					
, a other						
i						

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例	多元評量方式 Assessments							
Items	Percentage	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)