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②國玄東華大學 教學計劃表 Syllabus

		7-2 ,						
	課程名稱(中文) Bourse Name in Chinese 環境經濟學					ester	111/2	
	課程名稱(英文) Course Name in English Environmental Economics							
	計目代碼 rse Code	ECM6800	系級 Department 碩士 & Year		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 /林慧菁								
先修課程 Prerequisite								
		課	程描述 Cours	e Descrij	otion			
	並討論研究分析環 以經濟分析工具評			、獻,使同	學瞭解當前的環境保護	政策背征	色的經濟理念 ,	
		課	程目標 Cour	se Object	tives			
example, e	nvironmental phi	losophy and et	nics, markets	and effi	cerning environmenta ciency, the valuation and international is	on of en		
課程目標與系專業能力相關性 系專業能力 Correlation between Course Objectives Basic Learning Outcomes and Dept.'s Education Objectives								
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。 Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.							\circ	
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 B 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: C Thorough understanding of intermediate microeconomic theories and relevant application.								
D Thoro	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:							
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: 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/Topics						f	黄註Remarks	
1	開學週 課程介紹							

Hanley: the Economics Perspective on the Environment (Ch 1)

2

	Hanley: (Ch 1),	
3	hanteg. (on 1),	1 (9/97)
0	Issues and Trend:	no class (2/27)
	Tim Jackson, Prosperity Without Growth, 2009, 2017	
	Issues and Trend: (continued) D. A. Underwood (1998), "The institutional origins of crisis for	
	economy and ecology",	
4	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.	
	Land Economics, $80(2)$, $259-257$.	
	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 R. H. Coase	(1.17)
8	Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp.	no class (4/3)
	1–44.	m i i
9	期中考試週 Midterm Exam	Take-home exam, due next week in class
	The Problem of Social Cost:	
1.0	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), pp. 660-661.	
11	pp. 000 001.	
	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:	
	Externalities:	
13	Decentralization, Externalities, and Efficiency	
	Peter Klibanoff; Jonathan Morduch The Paview of Economic Studies, Vol. 62, No. 2, (Apr. 1995), pp.	
	The Review of Economic Studies, Vol. 62, No. 2. (Apr., 1995), pp. 223-247.	
	and Asymmetric Information	

The Quarterly Journal of Economics, Vol. 106, No. 1. (Feb., 1991), pp. 103-121, and Porter's Hypothesis Regulation and innovation: (Porter's Hypothesis) Tightening Environmental Standards: The Benefit-Cost or the No-Cost Paradigm? Raren Palmer; Railace R. 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: Class van der Linde The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 97-118. Follution Countrol 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 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 18	The Quarterly Jour	1 4 7 1 100 11 1 (7)						
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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: Class van der Linde The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 97-118. 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 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 Journal of Environmental Economics and Management Volume 44, Issue 1, July 2002, Pages 23-44 18		hasis						
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期末考試週 Final Exam (期末口頭報告)(交take-home exam) 和 學 策略 Teaching Strategies 「 学親實習 Field Trip 「其他Miscellaneous: *** **教學 創新自評 Teaching Self-Evaluation 別新教學(Innovative Teaching) 「問題導向學習(PBL) 「開題等の學習(PBL) 「開題等の學習(PBL) 「開題等の學習(PBL) 「開題等の學習(PBL) 「原課師 Moocs 社會責任(Social Responsibility) 「在地實踐Community Practice 」 序導合作 Industy-Academia Cooperation 時域合作(Transdisciplinary Projects) 「跨界教學Transdisciplinary Teaching 「時院系教學Inter-collegiate Teaching	Journal of Environ	Journal of Environmental Economics and Management						
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其他Miscellaneous: 数學創新自評Teaching Self-Evaluation								
教學創新自評 Teaching Self-Evaluation 創新教學(Innovative Teaching) 問題導向學習(PBL) 翻轉教室 Flipped Classroom		✓ 分組討論Group Discussion 參觀實習	Field Trip					
創新教學(Innovative Teaching) □ 問題導向學習(PBL) ■ 翻轉教室 Flipped Classroom □ 在地實踐Community Practice □ 產學合作 Industy-Academia Cooperation □ 跨界教學Transdisciplinary Teaching □ 跨院系教學Inter-collegiate Teaching	其他Miscellaneous:							
□ 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 ■ 産學合作 Industy-Academia Cooperation 跨域合作(Transdisciplinary Projects) ■ 跨界教學Transdisciplinary Teaching ■ 跨院系教學Inter-collegiate Teaching		教學創新自評Teaching Self-Evaluation						
■ 翻轉教室 Flipped Classroom	創新教學(Innovative Teaching	g)						
社會責任(Social Responsibility)	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 Classroo	磨課師 Moocs						
跨域合作(Transdisciplinary Projects) □ 跨界教學Transdisciplinary Teaching □ 跨院系教學Inter-collegiate Teaching	社會責任(Social Responsibili	ty)						
一 跨界教學Transdisciplinary Teaching	在地實踐Community Practic	e 產學合作 Industy-Academia Coopera	tion					
	跨域合作(Transdisciplinary F	Projects)						
業師合授 Courses Co-taught with Industry Practitioners	跨界教學Transdisciplinary	Teaching 跨院系教學Inter-collegiate Teaching	ng					
	業師合授 Courses Co-taugh	nt with Industry Practitioners						
其它 other:	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	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)