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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			學年/學期 Academic Year/Semester		113/2		
	名稱(英文) me in English	Environmental Economics							
1.1	目代碼 cse 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)/Hou		3.0	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	ion				
	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	ves				
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									
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 Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.									
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: Thorough understanding of intermediate macroeconomic theories and relevant application.									
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									
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 備註Remarks						備註Remarks			
1 開學週 課程介紹									

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

2

	Hanley: (Ch 1),	
3		
0	Issues and Trend:	
	Tim Jackson, Prosperity Without Growth, 2009, 2017	
4	Issues and Trend: (continued) D. A. Underwood (1998), "The institutional origins of crisis for	
	economy and ecology",	
	Journal of Economic Issues, 32(2), 513-522.	
	Dill Cham (2001) "Facaratics and the anticoment A land othic	
	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.	
5	Paul R. Portney(2000), "Environmental Problems and Policy: 2000-2050",	
J	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.	
	1-44.	
9	1-44. 期中考試週 Midterm Exam	Take-home exam, due
9	期中考試週 Midterm Exam	Take-home exam, due next week in class
9	期中考試週 Midterm Exam The Problem of Social Cost:	
	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.	
	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and	
	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44. and comments The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe	
	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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),	
	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44. and comments The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe	
10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. The "Coase Theorem": A Reexamination	
10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. The "Coase Theorem": A Reexamination G. A. Mumey	
10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. The "Coase Theorem": A Reexamination	
10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. 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)	
10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. 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) Information and the Coase Theorem	
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10	期中考試週 Midterm Exam The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and 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. 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) Information and the Coase Theorem Joseph Farrell	
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	Externalities and Asymmetric Information Jeremy Greenwood; R. Preston McAfee						
14	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? Karen Palmer; Wallace E. Oates; Paul R. Portney						
The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn, 1995), pp. 119-132.							
	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) A theoretical foundation of the Porter hypothesis	Final take-home exam					
16	Stefan Ambec and Philippe Barlac Economics Letters	will be posted					
	Volume 75, Issue 3, May 2002, Pages 355-360	給期末考題目					
17	期主名計測 Final Even						
11	2. hand in your take- home final exam						
	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 final 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)	문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)						
	學Transdisciplinary Teaching	,					
業師合	授 Courses Co-taught with Industry Practitioners						
其它 othe	r:						
1							

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)