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教學計劃表 Syllabus							
課程名稱(中文) Course Name in Chinese	環境經濟學	113/2					
課程名稱(英文) Course Name in English	Environmental						
科目代碼 Course Code	ECD0180	系級 Department 博士 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 Course I	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 Course Objectives							
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.							
カ相關性 系専業能力 Correlation betwee Course Objective Basic Learning Outcomes and Dept.'s Education					課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s		
數理分析能力:通曉經濟 A analysis skills: Master theory in analyzing eco	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 分析。Empirical analysis skills: Mastering in advanced application of statistics and econometrics in data collection and examination							
C 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Microeconomic perspective: Thorough understanding of advanced microeconomic theories and relevant application							
	字期經濟> 關釋能力: 通曉喜聯繪聽經濟學相關的理論爾爾 HMacroaconomic perspective.						
自我調整適應社會之能力 opportunities: capabil	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						
14 12 + 14 14 1 1 m = 1 + 1 + 1 +	1-11-1 de 1 14-19		1-10				

圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated

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

## 授課進度表 Teaching Schedule & Content

週次Week	內容 Subject/Topics	備註Remarks
1	開學週 課程介紹	
2	Hanley: the Economics Perspective on the Environment (Ch 1)	

	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) "Franchics and the environment 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.	
	1 '4'4.	
9	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
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and	
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.	
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14	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	
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 給期末考題目
17	期末考試週 Final Exam (期末口頭報告)(交take-home exam)	1. Oral presentation 2. hand in your take-home final exam
18	期末考試週 Final Exam (期末口頭報告)(交take-home exam)	
	教學策略 Teaching Strategies	
	授 Lecture	Field Trip
	教學創新自評Teaching Self-Evaluation	
創新教學(	Innovative Teaching)	
問題導	向學習(PBL)	學習(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     跨院系教學Inter-collegiate Teaching	y S
業師合	授 Courses Co-taught with Industry Practitioners	
其它 othe	r:	

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 General Performance	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)