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②图 i 東華大學 教學計劃表 Syllabus

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	名稱(中文) ume in Chinese	環境經濟學		學年/學期 Academic Year/Se	1 1112/2					
	名稱(英文) ume in English	Environmental Economics								
· ·	↑目代碼 rse Code	EC40200	經濟學系							
	修別 Type	學程 Program 學分數/時間 Credit(s)/Hour(s) 3.0/3.0								
	きまれい Structor	/林慧菁								
	先修課程 Prerequisite /*經濟學原理-個體篇									
課程描述 Course Description										
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										
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										
課程目標與系專業 力相關性 《A專業能力 Basic Learning Outcomes Basic Learning Outcomes Basic Learning Outcomes Basic Learning Outcomes and Dept.'s Education Objectives										
A skill	數理分析能力:應用數學與賽局理論分析與解決經濟議題的能力。Mathematical analysis									
實證經濟分析能力:善用資訊科技進行資訊蒐集、資料統計與計量分析。Empirical analysis skills: application of statistics and econometrics in data collection and examination										
C 微觀經濟之闡釋能力:通曉個體經濟學相關的理論與應用。Microeconomic perspective: understanding of microeconomic theories and relevant application										
宏觀經濟之闡釋能力:通曉總體經濟學相關的理論與應用。Macroeconomic perspective: understanding of macroeconomic theories and relevant application							0			
	業活能力: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									
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	週次Week 内容 Subject/Topics 備註Remarks									
1	Introduction									
2	The Role of Economics in Environmental Management?									
3	Modeling the Market Process									
4	Modeling Market Failure									
5	Conventional Solutions to Environmental Problems: The Command-and-Control Approach									

6	Economic solutions to Environmental Problems: The Market Approach									
7	Environmental Risk Analysis									
8	Environmental Risk Analysis (cont.)									
9	期中考試週 Midterm Exam									
10	Assessing Benefits for Environmental Decision Making									
11	Assessing Benefits for Environmental Decision Making Assessing Costs for Environmental Decision Making									
12	Assessing Costs for Environmental Decision Making (cont.)									
13	Benefit-Cost Analysis									
14	Benefit-Cost Analysis (cont.)									
15	Defining Air Quality: The Standard-Setting Process									
16	Improving Air Quality: Controlling Mobile sources									
17	Improving Air Quality: Controlling Stationary Sources									
18	期末考試週 Final Exam									
教 學 策 略 Teaching Strategies										
✓ 課堂講授 Lecture ✓ 分組討論Group Discussion 參觀實習 Field Trip										
✓ 其他Miscellaneous: <u>期末研究分析報告</u>										
		學期成績計算	草及多元	.評量方:	र Gradi	ng & As	sessmen	ts		
- ボフ	分項目	配分比例	多元評量方式 Assessme						nts	
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%		✓	~	2				
期中考成績 Midterm Exam		0%								
期末考成績 Final Exam		30%	>							
作業成績 Homework and/or Assignments										
其他 Miscellaneous (期末報告)		60%			~	~				
			部	量方式	補充說明					

Grading & Assessments Supplemental instructions

期末報告60% (期中大綱報告20%,成果報告40%),期末考30%,課堂表現(出席率)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.)

S. J. Callan and J. M. Thomas (2013), Environmental Economics and Management: Theory, Policy, and Applications, 6th edition, South-Western, International Edition.

課程教材網址(教師個人網址請列在本校內之網址)
Teaching Aids & Teacher's Website (Personal website can be listed here.)
http://faculty.ndhu.edu.tw/~hclin/env-econ.html
其他補充說明(Supplemental instructions)