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## ②图 i 東華大學 教學計劃表 Syllabus

				•					
	名稱(中文) ume in Chinese	環境經濟學			學年/學期 Academic Year/Se	102/2			
	名稱(英文) ume in English	Environmental Economics							
· ·	↑目代碼 rse Code	EC40200	系級 Department & Year	學三	開課單位 Course-Offering Department		經濟學系		
	修別 Type	學程 Program	學分數/時/ Credit(s)/Hou		3	3.0/3.0			
	きまれい Structor	/林慧菁							
	化修課程 Tequisite								
		課	程描述 Cours	e Descrip	otion				
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	J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				
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									
課程目標與系專業能力相關性 系專業能力 Correlation between Course Objectives and Dept.'s Education Objectives							力相關性 relation between ourse Objectives and Dept.'s		
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 skills: application of mathematical theories and game theory to analyze economic issues							0		
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						0			
z 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			
<ul> <li>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</li> </ul>									
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		
1 Introduction									
The Role of Economics in Environmental Management?									
3	Modeling the Ma	arket Process					,		
4	Modeling Market								
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 R	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										
	授 Lecture scellaneous: <u>期末</u>	✓ 研究分析報告	分組討	論Group	Discuss	sion	參	觀實習	Field Tr	ip
		學期成績計算	草及多元	.評量方:	弋 Gradi	ng & As	sessmen	ts		
		配分比例				多元評量	量方式 A	ssessme	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 General Performance		10%		~	~					
期中考成績 Midterm Exam		0%								
期末考成績 Final Exam		30%	<b>~</b>							
作業成績 Homework and/or Assignments										
其他 Miscellaneous (期末報告)		60%			<b>✓</b>	~				
(期末報告)				<u></u>						
(期末報告)				 □量方式ね ents Sun			ruction	S		
	% (期中大綱報告	Grading & A	ssessme	ents Sup	plement	al inst			<u> </u>	

## 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	l instructions)