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②國玄東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	人類生態系統-	架構與應用		學年/學期 Academic Year/Se	113/1		
課程名稱(英文) Course Name in English	Human Ecosystem Framework - Theory and Application						
科目代碼 Course Code	APRSD0800	系級 Department 博士 (& Year		開課單位 Course-Offering Department	亞太區域研究博士班		
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)		3.0/3.0			
授課教師 Instructor	/王鴻濬						
先修課程 Prerequisite							

課程描述 Course Description

The Human-Ecology discipline attempted to investigate the processes by which the biotic balance and the social equilibrium were maintained once they were achieved. This discipline is also set to understand the processes by which, when the biotic balance and social equilibrium are disturbed, the transitions are made from one relatively stable order to another. The Human Ecosystem Model (HEM) based on the Human- Ecology concepts, provides a strong conceptual basis as social science framework for an integrated social, economics, cultural and environmental purpose. The HEM applications could be utilized by the managers, policy makers, and scholars for sustainable development. The course also provides IAD content to understand the institution importance when we encountered the CPR management issues.

課程目標 Course Objectives

- 1. Enable the students to have knowledge on Human Ecosystem Model
- 2. Students are able to apply the HEM to their research
- 3. Provide the learning opportunities for the interdisciplinary research

	系專業能力 Basic Learning Outcomes	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	具有亞太區域研究與掌握專業趨勢發展的能力Ability to research and master the development of professional trends in the Asia-Pacific region	•
В	具有跨國政治經濟與社會文化學術研究的能力Capable of transnational political, economic, social and cultural academic research	•
С	具備運用理論方法、綜合分析、邏輯推理與論文撰寫能力Ability to use theoretical methods, comprehensive analysis, logical reasoning and thesis writing	•
D	具有國際社會多元價值議題、亞太區域議題整合的能力Ability to integrate multiple values in the international community and integrate issues in the Asia-Pacific region	0
Е	具有區域駐點與獨立進行以亞太區域為主體之研究教學能力Ability to have a regional presence and independently conduct research and teaching mainly in the Asia-Pacific region	0

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	content and evaluation

2	Introduction to HEM An Overview of the HEM Model	Chapter 1 Chapter 2 1-22
3	Lessons and Legacies The Ecosystem Concept in Biology	Chapter 3 Chapter 4 23-63
4	The Roots of Human Ecology Key Components and Variables for Analyzing Human Ecosystems	Chapter 5 Chapter 6 64-101
5	Revitalization Human Communities and Reclaiming Biological Communities - The Baltimore Story Vietnam International Co-learning Courses 10/10-15	Chapter 9 148-167
6	More than Tree - The Shifting paradigm from Colonial Forestry to Community-Based Sustainable Forestry of Taiwan More than Trees - Some Ways Taiwan Can Teach Us How To Shift From Colonial Forestry to Ecosystem Forestry Vietnam International Co-learning Courses 10/10-15	Hurng-Jyuhn Wang William Burch
7	A Human Ecosystem Approach to the Environmental, Political Economics, and Social Dynamics of 1980-2000 Taiwan Dynamic Transition Theory	H-J Wang and Joy Petway William Drake
8	Urban Ecosystem A Social ecology approach and applications of urban ecosystem and landscape analyses: a case study of Baltimore, Maryland Community Benefits from Forestry Urban Ecological Systems: linking terrestrial ecological, physical, and socioeconomics components of metropolitan areas	J. Morgan Grove and W. R. Burch J. Morgan Grove et. al. S. T. Pickett et. al.
9	Midterm Exam	No Class
10	Empowerment Theory Empowerment - Psychological, Organizational and Community Levels of Analysis Citizen Participation and Environment: The Case of Local Environmental Hazards	Marc A. Zimmerman Richard C. Rich et al.
11	Empowerment Theory and Field Studies The Political Ecology of Forest Conservation in Xishuangbanna (1) The View from a Dai Village The Political Ecology of Forest Conservation in Xishuangbanna (2) The View from an Upland Dai Village	Elisabeth Grinspoon
12	Institutional Analysis and Development (IAD) Understanding the Diversity of Structured Human Interactions	Chapter 1 1-29
13	Institutional Analysis and Development (IAD) Zooming In and Linking Action Situations	Chapter 2 32-66
14	Institutional Analysis and Development (IAD) Self-Governance and Forest Resources Human Ecology and Resource Sustainability: The Importance of Institutional Diversity	Elinor Ostrom C. Dustin Becker and Elinor Ostrom
15	Institutional Analysis and Development (IAD) Forests, People, and Governance: Some Initial Theoretical Lessons	Clark C. Gibson, Elinor Ostrom, and Margaret A. McKean
16	Term Paper Report and Presentation	
17	Term Paper Report and Presentation	
18	End of Fall Semester 2024	

教	學 策 略 Teaching Strategies					
✓ 課堂講授 Lecture	✔️ 分組討論Group Discussion ✔ 參觀實習 Field Trip					
教 學	創新自評 Teaching Self-Evaluation					
創新教學(Innovative Teaching)						
✓ 問題導向學習(PBL)	✓ 團體合作學習(TBL)					
翻轉教室 Flipped Classroom	磨課師 Moocs					
社會責任(Social Responsibility)						
✓ 在地實踐Community Practice	✓ 產學合作 Industy-Academia Cooperation					
跨域合作(Transdisciplinary Projects)						
✓ 跨界教學Transdisciplinary Teaching ✓ 跨院系教學Inter-collegiate Teaching						
──業師合授 Courses Co-taught with]	Industry Practitioners					
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 Percentage	多元評量方式 Assessments							
Items		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)	30%								Participation of Discussion
期中考成績 Midterm Exam	0%								
期末考成績 Final Exam	30%								Term Paper and Presentation
作業成績 Homework and/or Assignments	40%								Selected Topic Presentation
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

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.)

- 1. William R. Burch, Jr., Gary E. Machlis, Jo Ellen Force, 2017 The Structure & Dynamics of Human Ecosystems: Toward a Model for Understanding and Action. New Haven & London: Yale University Press
- 2. Handout for each topic
- 3. Elinor Ostrom, 2005 Understanding Institutional Diversity. New Jersey: Princeton University Press

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.)

其他補充說明(Supplemental instructions)