



## 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/Semester	114/2
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 & Year	博士	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				
<p>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.</p>				
課程目標 Course Objectives				
<p>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</p>				
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			
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 Transition Theory and Applications (Assignment)	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 Presentation of Assignment	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 Presentation of Assignment	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 Spring Semester 2026	

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:

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)       解決導向學習 (SBL)  
 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 Industry-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:

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學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		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)