國立東華大學

課　綱　Course Outline

人文社會科學學院亞太區域研究博士班博士班

中文課程名稱 Course Name in Chinese	人類生態系統-架構與應用				
英文課程名稱 Course Name in English	Human Ecosystem Framework – Theory and Application				
科目代碼 Course Code	APRSD0800	班　別 Degree	博士班 Ph.D.		
修別 Type	選修 Elective	學分數 Credit(s)	3.0	時　數 Hour(s)	3.0
先修課程 Prerequisite					

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

課程大綱
Course Outline

1. Introduce to Human-Ecology
 The attempt to investigate the processes by which the biotic balance and the social equilibrium are maintained once they are achieved. Furthermore, this discipline is set to understand the processes by which, when the biotic balance and social equilibrium are disturbed, the transition is made from one relatively stable order to another.
2. Research and Applications
Century-Old Ecological Studies in France
Some Aspects Medical Geography
The Scope of Human Ecology
Differential Cognition of Urban Residents: Effects of Social Scale on Mapping
The Growth of the City
The Urban Ecosystem: A Holistic Approach
3. Toward a More Integrated Ecosystem Model-HEM
The HEM provides a strong conceptual basis as social science framework for an integrated social and biophysical system model. This foundation allows examination of broad temporal and spatial scales, and ability to relate biophysical and social patterns and processes.
4. A Conceptual Framework for the Study of Human Ecosystems in Urban Areas
5. HEM and Environmental Planning
6. A Human Ecosystem Approach to the Environmental, Political Economic, and Social Dynamics of 1980-2000 Taiwan
7. Cognitive Maps in Perception and Thought

資源需求評估（師資專長之聘任、儀器設備的配合···等）
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

| 課程要求和教學方式之建議 |
| Course Requirements and Suggested Teaching Methods |
| Lecture and Discussion |
| 其他 |
| Miscellaneous |
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