



## 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					
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			●	
B	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			●	
C	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			○	
E	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			○	
圖示說明Illustration：● 高度相關 Highly correlated ○中度相關 Moderately correlated					
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