

朝陽科技大學 093學年度第1學期教學大綱
Urban Ecology 都市生態學

當期課號	7070	Course Number	7070
授課教師	張莉欣	Instructor	CHANG,LI SHIN
中文課名	都市生態學	Course Name	Urban Ecology
開課單位	建築及都市設計研究所碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>都市生態系是生態系統中的一子系統且是以人為主體、人所主導的生態系，人對於此生態系的影響遠大於自然作用力。絕大部份的都市都難以自己自足並且呈現一種高耗能與高污染產出之寄生型態，除具有相對較大的生態足跡外，物種多樣性亦非常有限，對於自然環境系統與生產生態系有能量汲取及污染物淨化需求的依存關係。本課程將藉由剖析都市的架構、都市的環境與環境問題、人類的消費模式與生活方式對都市生態所產生的壓力，即從對目前都市生態的解讀最後導出永續生態都市的建構，並積極培養學生的環境倫理及正向的環境價值觀，讓學生在全球生態與永續發展的潮流中，能有智識、有關懷的扮演良好的規劃設計者的角色。</p>	Objectives	<p>The ecosystem of the urban areas could be regarded as a sub-system of the ecosphere. The ways of development are directed mainly by human beings. The human power function more dominantly than other natural powers. The most cities of the world could not be self-sustainable and need to rely on other ecosystem to provide energy and clean pollution up. The tasks of the course are to make students understand how to improve urban environments and how to make a more sustainable ecocities through revealing those topics designed for this course. Through those trainings the students could develop their abilities and intellects and nurturing the caring and positive attitude to the environments in order to perform their roles of designer.</p>
教材	<p>王瑞香譯2000 生態學—科學與社會之間的橋樑 國立編譯館 台北 (Odum 原著) 林憲德1999 城鄉生態 詹氏書局 台北 Gilbert, O. L. 1989. The Ecology of Urban Habitats. Chapman & Hall, London. Rigister, R. 2002 Ecocities- Building Cities in Balance With Nature. Berkeley Hills Books, Berkeley, California.</p>	Teaching Materials	
成績評量方式	<p>出席情形評量 10% 課堂之參與情形評量 50% 口頭報告評量 20% 書面報告評量 20%</p>	Grading	<p>attendance 10% performance and participation 50% oral reports and parper works 40%</p>
教師網頁	-		
教學內容	<p>都市生態系是生態系統中的一子系統且是以人為主體、人所主導的生態系，人對於此生態系的影響遠大於自然作用力。絕大部份的都市都難以自己自足並且呈現一種高耗能與高污染產出之寄生型態，除具有相對較大的生態足跡外，物種多樣性亦非常有限，對於自然環境系統與生產生態系有能量汲取及污染物淨化需求的依存關係。本課程將藉由剖析都市的架構、都市的環境與環境問題、人類的消費模式與生活方式對都市生態所產生的壓力，即從對目前都市生態的解讀最後導出永續生態都市的建構，並積極培養學生的環境倫理及正向的環境價值觀，讓學生在全球生態與永續發展的潮流中，能有智識、有關懷的扮演良好的規劃設計者的角色。</p>	Syllabus	<p>The ecosystem of the urban areas could be regarded as athe sub-system of the ecosphere. The ways of development are directed mainly by human beings. The human power function more dominate than other natural powers. The most cities of the world could not be self-sustainable and need to rely on other ecosystem to provide energy and clean pollution up. The tasks of the course is to make students understand how to improve urban environments and how to make a more sustainable ecocities through revealing those topics designed for this course. Through those trainings the students could develop their abilities and intellects and nurturing the caring and postive attitude to the environments in oder to perform their roles of designer.</p>

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