朝陽科技大學 098學年度第2學期教學大綱
Ecological Engineering 生態工法

當期課號	1699	Course Number	1699
授課教師	蔡佩勳	Instructor	TSAI,PEI HSUN
中文課名	生態工法	Course Name	Ecological Engineering
開課單位	營建工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	使學生瞭解如何在工程中融入生態設計的方法，並以期使學生了解生態工程之現況，熟習生態工程之設計方法與理念。	Objectives	The objective of this course is to make students understanding how to combine the disciplines of ecology and engineering in order to solve environmental problems. The course will also describe the current development, the design methods and concepts of ecological engineering.
教材	1.四位業界師資自撰之講義 2.生態工法技術參考手冊，林鎮洋，明文書局，2004。	Teaching Materials	1.notes by industry speakers 2.Patrick C. Kangas, Ecological engineering: principles and practice, Boca Raton: Lewis Publishers, 2004.
成績評量方式	平時表現25%, 作業或報告45%, 期末考30%	Grading	attendance 25%, homework or written report 45%, final exam. 30%.
教師網頁			
教學內容	本課程將由四位業界師資輪流授課，使學生瞭解生態工法的應用現況，探討有關生態工法應用在野溪治理或道路工程等，本課程將著重於實務能力之培養。	Syllabus	It features lectures presented by 4 industry speakers.The objective of this course is to make students understanding the application of ecological engineering in river or road engineering or other fields. The training of practical ability will be emphasized in this course.

尊重智慧財產權，請勿非法影印。