朝陽科技大學 099學年度第1學期教學大綱
Ecological Engineering and Methods 生態工程與工法

當期課號	1734	Course Number	1734
授課教師	白子易	Instructor	PAI,TZU YI
中文課名	生態工程與工法	Course Name	Ecological Engineering and Methods
開課單位	環境工程與管理系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	包括水質自然淨化原理與方法、水質自然淨化生態工程、水質自然淨化計畫之策劃、河川生態系與生物多樣性保育、河川之景觀生態設計及垃圾掩埋場復育工程等，期使學生了解生態工程之現況，熟習生態工程各領域之基礎計算。	Objectives	The issues in this course include: principle of water quality natural-purification, water quality natural-purification ecological engineering, water quality natural-purification plan, conservation of river ecology system and biodiversity, river landscape ecology, ecological planning and design of river corridor, remediation engineering of landfill site, methods and safety. The present condition and foundamental calculation of ecological engineering will be realized and learned.
教材	白子易等，水質自然淨化技術回顧計畫期末報告，民國92年。 行政院環境保護署，"生態工法手冊"，行政院環境保護署	Teaching Materials	Pai et al., 2003, Report of Review of Ecological Engineering, Taichung.
成績評量方式	1.期中考40% 2.期末報告40% 3.出席 20%	Grading	1.Mid-term exam 40% 2.Final report 40% 3.Participate 20%
教師網頁	http://www.cyut.edu.tw/~typai		
教學內容	包括水質自然淨化原理與方法、水質自然淨化生態工程、水質自然淨化計畫之策劃、河川生態系與生物多樣性保育、河川之景觀生態設計及垃圾掩埋場復育工程等，期使學生了解生態工程之現況，熟習生態工程各領域之基礎計算。	Syllabus	The issues in this course include: principle of water quality natural-purification, water quality natural-purification ecological engineering, water quality natural-purification plan, conservation of river ecology system and biodiversity, river landscape ecology, ecological planning and design of river corridor, remediation engineering of landfill site, methods and safety. The present condition and foundamental calculation of ecological engineering will be realized and learned.

尊重智慧財產權，請勿非法影印。