朝陽科技大學 099學年度第2學期教學大綱
Ecological Engineering 生態工程

當期課號	1912	**Course Number**	1912
授課教師	王永珍	**Instructor**	Wang,Yung Jen
中文課名	生態工程	**Course Name**	Ecological Engineering
開課單位	景觀及都市設計系(四日)四A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	2	**Credits**	2
課程目標	本課程講授生態工程基本知識及在各種工程上之應用，包括營建工程、水利及水土保持工程、農村規劃、濕地及生態池、都市排水及水岸景觀、海岸及河口景觀…等。	**Objectives**	This course offers the basical knowledge of ecological engineering and the application in various engineering, includes construction engineering, hydraulic and soil & water conservation engineering, rural planning, wetlands and ecological ponds, urban drainage and river front landscape,and eco-planning of coast and river outlet.
教材	講義 簡報 參考書籍 影片觀賞	**Teaching Materials**	Teacher's own materials Powerpoint brief Relevant book VCD and DVD view
成績評量方式	平時成績30% 期中考試30% 期末考試40%	**Grading**	Participation and Exercise 30%; Mid term exam 30%; End term exam 40%.
教師網頁	_		
教學內容	一、生態工程概說 二、生態工程於道路及營建工程上之應用 三、生態工程於水利及水保工程上之應用 四、生態工程於農村規劃之應用 五、生態工程於濕地及生態池之應用 六、生態工程於都市排水及水岸景觀改善之應用 七、生態工程於海岸及河口景觀生態規劃之應用	**Syllabus**	1.Introduction to ecological engineering . 2.Application of ecological engineering in road and construction engineering. 3.Application of ecological engineering in hydraulic and soil & water conservation engineering. 4.Application of ecological engineering in rural planning. 5.Application of ecological engineering in wetlands and ecological ponds. 6.Application of ecological engineering in urban drainage and river front landscape. 7.Application of ecological engineering in eco-planning of coast and river outlet.

尊重智慧財產權，請勿非法影印。