朝陽科技大學 091學年度第2學期教學大綱
Geographic Information Systems 地理資訊系統

當期課號	2514	Course Number	2514
授課教師	張迪惠	Instructor	CHANG,DYI HUEY
中文課名	地理資訊系統	Course Name	Geographic Information Systems
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	本課程主要探討地理資訊系統(Geographic Information System, GIS)之基本原理及應用, 利用其強大之空間分析功用及地理資料庫, GIS 能即時、準確地協助決策者作有效的管理自然及人文資源。	Objectives	Objective:This course provide an introduction to those branches of post-calculus mathematics with which engineers need to be familiar in order to carry on their work effectively.Content:(1) Linear algebra, (2) System of linear differential equations and
教材	授課、例題演練	Teaching Materials	Instruction and Illustration
成績評量方式	1. 平常考(4次, 基礎演算題) 60% 2. 期末考40% 3. 出席率(+10% or-10%)	Grading	1. Test (4 times, fundamental calculating problems) 60 2. Final Exam 40% 3. Participate (+10% or -10%)
教師網頁	_		
教學內容	<tr style='height:33.0pt'> <td width=502 colspan=4 style='width:376.45pt;border:inset #6699FF 1.0pt; background:white;padding:.75pt .75pt .75pt .75pt;height:33.0pt'> “遙測”是利用雷達與電磁原理將地表資訊轉換爲數位影像。藉由對於遙測影像的收集與製造原理的了解，我們可將這些影像應用於一系列的地表科學上，包括環境影響評估和監控、地形與地表圖的製造、以及水文與氣象學。學生經由這門課可: l 了解遙測在地表科學的重要與其應用， l <span style='font-size:10.0pt;font-family:新細明	Syllabus	This is a one-year course. In the first semester, students will learn the theories, calculating skills, and applications of Differentiation. Some related topics which will be covered might include the concept of limitation and fundamental math.

	體;color:black'>探討當代 <span style='font-size:10.0pt;font-family:新細 明體;color:black'>遙測以及感測器的 基本原理<span style='font-size:10.0pt;font-family:新細 明體;color:black'>，</p> <p class=MsoNormal style='margin- left:24.0pt;text-indent:-24.0pt'><span lang=EN-US style='font-size:8.0pt;font- family:Wingdings'>l<span style='font:7.0pt "Times New Roman"'> <span style='font- size:10.0pt;font-family:新細明體'>以 <span style='font-size:10.0pt;font-family:新細 明體'>遙測<span style='font- size: 10.0pt;font-family:新細明體'>軟體 <span lang=EN-US style='font-size:10.0pt'> (Erdas Imagine) <span style='font-size:10.0pt;font-family:新細 明體'>來練習<span style='font-size:10.0pt;font-family:新細 明體;color:black'>影像的處理與實際 上的應用。</p> </td> </tr>		

尊重智慧財產權，請勿非法影印。