朝陽科技大學 092學年度第1學期教學大綱
Programming for Environmental Systems 環境程式設計

當期課號	2205	**Course Number**	2205
授課教師	張迪惠	**Instructor**	CHANG,DYI HUEY
中文課名	環境程式設計	**Course Name**	Programming for Environmental 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	這門課教導如何應用 MATLAB來解決環境問題。 這十八星期的課程可分成三個互相聯繫的單元：單元一： MATLAB的基本功能，包括MATLAB的基本操作，內建函數，矩陣與陣列運算等。 單元二：MATLAB在工程、科學、統計學、和數學上的應用，並了解迴圈以及子程式。 單元三：藉由不同的環境問題來熟悉程式的撰寫技術。	**Objectives**	This course illustrates how to apply MATLAB in solving environmental problems. The eighteen-week lesson can be divided into three complementary sessions:Session 1, Fundamental feature of MATLAB: Students will understand basic operational tools, built-in functions, the concept of Array, and the use of Files. Session 2, Students will learn problem-solving methodology in engineering, science, statistics, and mathematics. The use of looping and sub-routine is explained herein. Session 3, Students will familiarize programming skill through various stand-along cases. Most cases are related to environmental issues.
教材		**Teaching Materials**	
成績評量方式		**Grading**	
教師網頁			
教學內容	 請參考下列網址: http://www.geocities.com/changdh45220/syllubus/Programming.htm	**Syllabus**	 Please refer to the following url: http://www.geocities.com/changdh45220/syllubus/Programming.htm

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