朝陽科技大學 099學年度第1學期教學大綱
Engineering Mathematics(I) 工程數學(一)

當期課號	1716	Course Number	1716
授課教師	張迪惠	Instructor	CHANG,DYI HUEY
中文課名	工程數學(一)	Course Name	Engineering Mathematics(I)
開課單位	環境工程與管理系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	目 標:詳述與工程相關的數學原理、推導與解法，使學者能有效的運用工程上的各種數學公式。內 容:(1) 一階(線性與非線性)常微分方程，(2)高階(線性)常微分方程，(3) 線性代數	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) First order (linear and non-linear) differential equations, (2) Higher order (linear) differential equations, (3) Linear algebra
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	 本課程爲期一學年，第一學期著重於導函數的介紹、應用以及與導函數相關的題材(基礎數學、極限的概念等)。 <p align="left"><img src="http://www.geocities.com/changdh45220/calcu.gif">	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.

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