朝陽科技大學 095學年度第1學期教學大綱
Engineering Mathematics(I) 工程數學(一)

當期課號	1643	Course Number	1643
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(2次, 基礎演算題) 90% 2. 出席率(10%)	Grading	1. Test (2 times, fundamental calculating problems) 90% 2. Participate (10%)
教師網頁	_		
教學內容	目 標: 詳述部份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)拉氏變換 (Laplace Transform) <bgsound src="http://www.cyut.edu.tw/~changdh/syllubus/001/roche-tsavo200_2.mp3" loop="-1">	Syllabus	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) Laplace Transform

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