

朝陽科技大學 098學年度第1學期教學大綱
Engineering Math 工程數學

當期課號	2914	Course Number	2914
授課教師	梁新穎	Instructor	LIANG,HSIN YING
中文課名	工程數學	Course Name	Engineering Math
開課單位	資訊與通訊系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程目標在使學生們熟悉網路與通訊工程的基礎數理，諸如：線性代數、複變與機率，並安排多元化的作業及測驗安排，來訓練學生們具備數理問題的解析能力與邏輯思考方式，以奠定學生們未來修習專業課程時所需的數學基礎。	Objectives	This goal of this course provides students to be familiar with basic networking and mathematically engineering communication; such as linear algebra, complex variables and probability. This course also provides a variety of assignments and tests for training students with mathematical ability and logical thinking on problem solving. The content of this course is correlated with topics on other engineering courses and applications.
教材	http://www.cyut.edu.tw/~hyliang/	Teaching Materials	http://www.cyut.edu.tw/~hyliang/
成績評量方式	1.期中考(30%) 2.期末考(30%) 3.小考(20%) 4.作業(10%) 5.出席率(10%)	Grading	1. Midterm Exam (30%) 2. Final Exam (30%) 3. Quiz (20%) 4. Homework (10%) 5. Attendance (10%)
教師網頁	http://www.cyut.edu.tw/~hyliang/		
教學內容	1. 一階常微分方程式 2. 二階線性常微分方程式 3. 高階線性常微分方程式 4. 拉氏轉換	Syllabus	1. First Order Ordinary Differential Equation 2. Second Order Linear Ordinary Differential Equation 3. High Order Linear Ordinary Differential Equation 4. Laplace Transform

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