朝陽科技大學 096學年度第1學期教學大綱
Engineering Math 工程數學

當期課號	3839	Course Number	3839
授課教師	張原豪	Instructor	CHANG,YUEN HAW
中文課名	工程數學	Course Name	Engineering Math
開課單位	資訊工程系(四進)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	1.針對工程數學課程內容,進行講述教學. 2.由於本課程爲研究所考試科目之一,故擬以升學考試爲其目標,進行課程內容整理,計算題實際演練...等方式實施之. 3.本學期所進行之期中及期末考,擬以各國立大學之相關單元之考古題爲主出題,以培養同學未來升學實戰之能力. 4.內容:一階/高階微分方程,拉式轉換,傅立葉級數與轉換。	Objectives	1.Introducton to basic content of Engineering Math. 2.Since Engineering Math is one of courses for applying graduate schools, the teaching goal is to increase the ability of math analysis. 3.The style of Midterm/Final exam is based on the graduate entrance exam of national universities. 4.Content: One/High-order Differential equation, Laplace transform, Fourier series and Transform.
教材	1.Engineering Math(8th), Kreysig,Wiley. 2.工程數學,許世壁,邱創雄,高立. 3.高等工程數學,王順忠,東華. 4.其他.	Teaching Materials	1.Engineering Math(8th), Kreysig,Wiley. 2.工程數學,許世壁,邱創雄,高立. 3.高等工程數學,王順忠,東華. 4.其他.
成績評量方式	1.期中末考: 各20% 2.小考: 20% 3.平時考核: 20% 4.平時作業: 20%	Grading	1.Midterm/Final exam: 20% for each 2.Quiz: 20% 3.Learn attitute: 20% 4.Homework: 20%
教師網頁			
教學內容	1.針對工程數學課程內容,進行講述教學. 2.由於本課程爲研究所考試科目之一,故擬以升學考試爲其目標,進行課程內容整理,計算題實際演練...等方式實施之. 3.本學期所進行之期中及期末考,擬以各國立大學之相關單元之考古題爲主出題,以培養同學未來升學實戰之能力. 4.內容:一階/高階微分方程,拉式轉換,傅立葉級數與轉換.	Syllabus	1.Introducton to basic content of Engineering Math. 2.Since Engineering Math is one of courses for applying graduate schools, the teaching goal is to increase the ability of math analysis. 3.The style of Midterm/Final exam is based on the graduate entrance exam of national universities. 4.content: Differential equation, Laplace transform, Fourier series and Transform, Partial differential equation.

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