朝陽科技大學 099學年度第2學期教學大綱
Engineering Mathematics(II) 工程數學(二)

當期課號	1500	**Course Number**	1500
授課教師	王淑娟	**Instructor**	WANG,SHU CHUAN
中文課名	工程數學(二)	**Course Name**	Engineering Mathematics(II)
開課單位	營建工程系(四日)二A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標	本課程爲選修2學分之課程，爲工程統計(一)之延伸課程。課程重點在於使學生了解如何蒐集資訊，並應用統計與機率解析資訊，並訓練學生進行團隊合作、簡報與撰寫報告。講授主要內容包括統計估計、假設檢定、變異數分析與實驗設計等。	**Objectives**	This course focuses on statistical inferences. Main topics include statistical estimates, hypothesis testing, analysis of variance, and introductory simulations. The course enables the students to familiarize with the concept of inferential statistics and related applications on engineering problems. Students also benefit from interactive learning processes, within individual group, that lead to a term project and oral presentation.
教材	Advanced Engineering Mathematics 9th ed. by Kreyszig	**Teaching Materials**	Advanced Engineering Mathematics 9th ed. by Kreyszig
成績評量方式	期中考25%期末考25% 平時成績及小考 10% 學習態度 10%	**Grading**	mid-term exam.:25% final exam.:25% Homework and quiz:40% learning altitude:10%
教師網頁	http://www.cyut.edu.tw/~s9711601/		
教學內容	使學生了傅利葉級數，傅利葉轉換與應用，線性代數基本原理及其在土木工程上之應用。	**Syllabus**	It provides sudents with knowledge of Fourier Series, Fourier Integral, and Linear Algebra.

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