朝陽科技大學 098學年度第2學期教學大綱
Linear Algebra 線性代數

當期課號	2893	Course Number	2893
授課教師	廖俊鑑	Instructor	LIAW,JIUN JIAN
中文課名	線性代數	Course Name	Linear Algebra
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	"1.線性方程式組及矩陣簡介 2.行列式 3.二維及三維向量空間 4.歐式向量空間 5.向量空間 6.內積向量空間 7.特徵值及特徵向量 8.線性轉換 "	Objectives	"1. Brief introduction of matrices and linear system 2. Determinant 3. Two-dimension and vector space of three-dimension 4. Euclidean Spaces 5. Vector space 6. Inner vector space 7. Eigenvalues and eigenvectors 8. Linear transformation"
教材	1.Bernard Kolman and David R. Hill, Introductory Linear Algebra: An Applied First Course. 2.Howard Anton and Chris Rorres, Elementary Linear Algebra	Teaching Materials	1.Bernard Kolman and David R. Hill, Introductory Linear Algebra: An Applied First Course. 2.Howard Anton and Chris Rorres, Elementary Linear Algebra
成績評量方式	midterm 30%, final 30%, homework 20%, test 15%, attendance 5%	Grading	midterm 30%, final 30%, homework 20%, test 15%, attendance 5%
教師網頁	http://www.cyut.edu.tw/~jjliaw		
教學內容	本課程將對線性代數理論做基本地介紹，諸如線性方程式組及矩陣、行列式、特徵值及特徵向量、以及向量空間等等。	Syllabus	This course will give an elementary introduction to the theory of linear algebra and its applications.

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