課程大綱及進度表

開課系所	數學系
開課學年	100
開課學期	1
課程名稱(中文)	多項式的計算
課程名稱（英文）	COMPUTATION WITH POLYNOMIALS
課程碼	C144700
分班碼	
先修科目或先備能力	
學分數	3
開課教師	夏杼
e-mail	ezxia@mail.ncku.edu.tw
電話	65159
Office Hours	By Appointment
課程概述	This is a class on computational commutative algebra, more specifically an introduction to Groebner basis and its applications.　The class will be conducted in the computer lab and students are expected to learn Maple along the way.
教學目標	A basic understanding of the Groebner basis.　Give students hands on experience in computer algebra.
授課課程大綱明細	
參考書目	Ideals, Varieties and

	Algorithms by David Cox, John Little and Donal O' Shea
課程要求	
評量方式	Homework and projects 30% Mid-term 30% Final-exam 40%
課程網址	www.math.ncku.edu.tw/~xia
助教資訊	
備註	