課程大綱及進度表

開課系所	應數所
開課學年	101
開課學期	1
課程名稱(中文)	摩斯理論
課程名稱（英文）	Morse Theory
課程碼	L164600
分班碼	
先修科目或先備能力	微分幾何導論&代數拓樸導論
學分數	3
開課教師	江孟蓉
e-mail	riverch@mail.ncku.edu.tw
電話	
Office Hours	By Appointment
課程概述	Morse theory is a powerful tool to extract topological information from a nearly arbitrary numerical function. This course will cover the basics of the theory and some of its very nice applications.

教學目標	To uncover the basics as well as applications of Morse theory.
授課課程大綱明細	1. Morse Functions 2. The Topology of Morse Functions 3. Applications
參考書目	[An Invitation to Morse Theory](#) by Nicolaescu, 2nd ed. 2011, Springer Universitext. Morse Theory by Milnor, 1963, Princeton University Press
課程要求	Homework & Class participation
評量方式	Homework 50% Class participation 50%
課程網址	
助教資訊	
備註	