

## 國立中興大學教學大綱

課程名稱 (course name)	(中) 高等生物防治學(6238)				
	(Eng.) Advanced Biological Control				
開課單位 (offering dept.)	昆蟲系				
課程類別 (course type)	選修	學分 (credits)	3	授課教師 (teacher)	段淑人
選課單位 (department)	昆蟲系碩士班	授課語言 (language)	中文	開課學期 (semester)	1041
課程簡述 (course description)	Types of biological control, targets, and agents. Parasitoid diversity and ecology Predator diversity and ecology. Weed biocontrol agent diversity and ecology. Arthropod pathogen diversity and ecology. Classical biological control. Foreign exploration. Climate matching. Non-target impacts of biological control agents. Natural enemy evaluation. Conserving biological control agent in crops. Use of Arthropod pathogens as pesticides. Biological control in greenhouses.				
先修課程名稱 (prerequisites)					
課程與核心能力關聯配比(%) (relevance of course objectives and core learning outcomes)			課程目標之教學方法與評量方法 (teaching and assessment methods for course objectives)		
課程目標	核心能力	配 比(%)	教學方法	評量方法	
1. 教導學生了解生物防治原理、技術及相關法規與策略	1.中英文論文閱讀、分析與寫作 3.病蟲害防治之基礎知識與研究技術 4.生態學與環境保育知識與研究技術	10 50 40	講授	口頭報告	
授課內容(單元名稱與內容、習作/每週授課、考試進度-共18週) (course content and homework/tests schedule)					
無考試					
學習評量方式 (evaluation)					
期末報告: 口頭及書面各50%評分.					
教科書&參考書目(書名、作者、書局、代理商、說明) (textbook & other references)					
Control of Pests and Weeds by Natural Enemies (2008 by R.V. Driesche, Mark Hoddle, and Ted Center. Blackwell Publishing) Natural Enemies Handbook: the Illustrated Guide to Biological Pest Control (1998 by UC Davis) Microbials in Insect Pest Management (2001 by Science Publishers)					

Ecofriendly Insect Pest Management (2009 by S. Ignacimuthu and B.V. Davis, Elite Publishing)

課程教材 (教師個人網址請列在本校內之網址)  
(teaching aids & teacher's website)

e-campus

課程輔導時間  
(office hours)

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列印日期：2016年2月19日