

系所課程地圖 Department Curriculum Map

系所概要 Department	
系所名稱 Department Name	植物病理學系 Department of Plant Pathology
班別 Division	碩士班 Master's Program

教育目標 Education Goals	編號 Number	項目內容 Content	
	1.	培育植物病理學及其有關生物技術之研究人才。 Cultivate researchers in plant pathology and related biotechnology.	
	2.	訓練應用微生物與農業生技產業之技術人才。 Train technical professionals in applied microbiology and the agricultural biotechnology industry.	
	3.	培養植物防疫檢疫之專業人才。 Develop professionals specializing in plant protection and quarantine.	
	4.	培訓植物病害防治之推廣領導人才。 Foster leadership professionals in promoting plant disease management.	
學生核心能力 Student Core Competencies	編號 Number	項目內容 Content	對應之教育目標編號 Corresponding Education Goal Number
	A	植物病理學與防檢疫相關知識及技術 Knowledge and skills in plant pathology, inspection and quarantine	1, 3, 4
	B	植物病原微生物學相關知識 Knowledge of plant pathogenic microorganisms	3
	C	農業生物技術應用相關能力 Skills in agricultural biotechnology and its practical applications	2
	D	植物醫學實務相關技術 Practical techniques in plant medicine	4

※附註 Note：

- 各系所所屬之班別，含學士班、碩士班、博士班等，請分別填寫。
Complete a separate curriculum map for each division, including Bachelor's, Master's, and Doctoral program.
- 教育目標及核心能力之代號皆以英文字母大寫為主。
Use uppercase English letters to denote Education Goals and Core Competencies.
- 可依不同班（組）別填寫教育目標及核心能力。
Specify Education Goals and Competencies based on the needs of each division.

單位主管簽章：
Head of Planning Division:

承辦人簽章：
Signature of Responsible Person:

114 年 1 月 20 日
Date:

課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：植物病理學系碩士班 Master's Program in Department of Plant Pathology

課程名稱 Course Title	規劃要點（附註） Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	建議修 課年級 Recommended Division/Year	開課單位 Course Offering Unit	備 註 Remarks
	1	2	3	4				
必修課程 Required Courses								
（中文）專題討論(一)  （English）Seminar in Plant Science(I)	M	C	Y	2	A(25%) B(25%) C(25%) D(25%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）專題討論(二) （English）Seminar in Plant Science (II)	M	C	Y	2	A(25%) B(25%) C(25%) D(25%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
（中文）畢業論文 （English）Thesis	M	C	—	6	A(25%) B(25%) C(25%) D(25%)	—	植病系 Department of Plant Pathology	
選修課程								
（中文）植物病理學特論  （English）Advances in Plant Pathology	M	A	S	3	A(25%) B(30%) C(30%) D(15%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）植物病害臨床診斷 （English）Plant Disease Clinics	M	AB	S	3	A(50%) D(50%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）真菌學特論 （English）Advanced Mycology	M	AB	S	3	B(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）電子顯微鏡實驗技術 （English）Biological Techniques with Electron Microscopy	M	AB	S	3	A(50%) B(50%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）掃描式電子顯微鏡實驗技術 （English）Biological Techniques with Scanning Electron Microscopy	M	AB	S	3	A(20%) B(20%) C(60%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）土壤傳播性作物病害 （English）Soilborne Plant Diseases	M	A	S	2	A(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）當代植物病理學專論 （English）Current Topics in Plant Pathology	M	A	S	2	A(25%) B(25%) C(25%) D(25%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	 Offered in odd academic years
（中文）微生物訊息傳遞機制與生理機能調控 （English）Microbial Communication – Mechanisms and Regulation of Physiological Functions	M	A	Y	4	B(60%) C(40%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
（中文）植物耐逆境之分子機制 （English）Molecular Mechanism of Plant Stress Tolerance	M	A	S	2	A(50%) C(50%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	 Offered in odd academic years

【In case of any dispute, the explanation should be based in the Chinese version. 】

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◎規劃單位 Planning Unit：植物病理學系碩士班 Master's Program in Department of Plant Pathology

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	1	2	3	4				
(中文) 植物防禦反應文獻選讀 (English) Literature Review of Current Topics on Plant Defense Responses	M	A	Y	4	A (40%) B(40%) D(20%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	偶數學年 度開課 Offered in even academic years
(中文) 植病研究技術 (English) Research Techniques in Plant Pathology	M	AB	S	3	A (20%) B(40%) C(20%) D(20%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植物生物科技專題介紹 (English) Current Topics in Plant Biotechnology	M	A	S	2	C(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植病與資訊 EMI (English) Plant Diseases and Information	M	A	S	2	A(40%) B(60%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植物病原細菌學文獻選讀(一) (English) Review of Literature in Phytobacteriology(I)	M	A	Y	4	B(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 種子病理學專題特論 (English) Special Topics on Seed Pathology	M	A	S	2	A(60%) B(20%) D(20%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植物病害綜合管理專題特論 (English) Special Topics on Integrated Management of Plant Diseases	M	A	S	2	A(40%) B(30%) D(30%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植物線蟲學特論 (English) Advanced Plant Nematology	M	AB	S	3	B(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 細菌遺傳學 EMI (English) Bacterial Genetics	M	A	S	3	B (70%) C (30%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	進階課程 advanced course
(中文) 農用生物製劑之開發與利用 (English) Development and Application of Biopesticides	M	AB	S	2	C(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 植物病原分子檢測技術 (English) Molecular Detection Technology on Plant Pathogens	M	AB	S	2	C(100%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 基因改造作物之應用 (English) Application of Transgenic Crops	M	A	S	2	A(25%) B(25%) C(25%) D(25%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 真菌致病性與病害防治文獻選讀 (English) Literature Review on Fungal Pathogenicity and Disease Control	M	A	Y	4	A(40%) B(60%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	
(中文) 生物防治在作物保護與生長之應用 (English) Performance of Biological Control on Crop Protection and Growth	M	A	S	2	C(50%) D(50%)	碩一 M.S. 1st year	植病系 Department of Plant Pathology	

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	1	2	3	4				
(中文) 植物檢疫 (English) Plant Quarantine	M	A	S	2	A(50%) B(10%) C(20%) D(20%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	進階課程 advanced course 偶數學年 度開課 Offered in even academic years
(中文) 植物免疫學 EMI (English) Plant Immunity	M	A	S	2	A (50%) B (50%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	進階課程 advanced course
(中文) 循環農業資源之加值再造 (English) Circular Agriculture towards Novel Value	M	A	S	2	B (50%) C (25%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	進階課程 advanced course
(中文) 健康農業大數據：當多體學遇上基因編輯 (English) Big Data in Healthy Agriculture: OMICs and Genome Editing	M	AB	S	2	B (20%) C (80%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	進階課程 advanced course
(中文) 種子病理學 (English) Seed Pathology	U	A	S	2	A (100%)	大四 以上 B.S. 4th year and above	植病系 Department of Plant Pathology	奇數學年 度開課 Offered in odd academic years 進階課程 advanced course
(中文) 分子植物病毒學文獻選讀 (English) Literature Discussion on Molecular Plant Virology	M	A	Y	4	B(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 論文寫作(一) EMI (English) Scientific Paper Writing (I)	M	A	S	2	B(50%) C(50%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 分子植物病毒學 (English) Molecular Plant Virology	M	A	S	2	B(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 病毒學文獻選讀 (English) Current Papers in Plant Virology	M	A	Y	4	B(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 植物病原細菌學文獻選讀(二) (English) Review of Literature in Phylobacteriology(II)	M	A	Y	4	B(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 植物流行病學 (English) Plant Disease Epidemiology	M	A	S	2	D(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 植物線蟲病害防治 (English) Control of Plant Nematode Diseases	M	A	S	2	D(100%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	
(中文) 植物-病毒-媒介昆蟲之交互關係 (English) Plant-Virus-Vector Interactions	M	A	S	2	A(25%) B(25%) C(25%) D(25%)	碩二 M.S. 2nd year	植病系 Department of Plant Pathology	

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