

園藝暨生物技術學系專業課程規劃表

Department of Horticulture and Biotechnology Professional Curriculum Planning Sheet

Class:一年級 freshman

Required 必 / Elective 選	課程類別 Course category	科目代號 /Group Code	科目名稱/Course Name	學分數 /Credits
Required/必	專業基礎課程 Professional Basic Course	4009	統計學/STATISTICS	3
Required/必		2019	普通化學/GENERAL CHEMISTRY	3
Required/必		2023	普通植物學/GENERAL BOTANY	3
Required/必		C144	園藝學/HORTICULTURAL SCIENCE	3
Required/必		2076	植物生理學/PLANT PHYSIOLOGY	3
Required/必		7918	植物生理學實驗/PLANT PHYSIOLOGY LAB.	1
Required/必		5443	果樹學/POMOLOGY	3
Required/必		5540	果樹學實習/POMOLOGY LAB.	1
Elective/選	專業進階課程 Professional Advanced Course 作物科學類 Crop science	L992	當代園藝議題/CONTEMPORARY ISSUES IN HORTICULTURE	2
Elective/選	專業進階課程 Professional Advanced Course 生物技術類 Biotechnology	5476	生物技術概論/INTRODUCTION TO BIOTECHNOLOGY	2
Elective/選		5432	微生物學/MICROBIOLOGY	3
Elective/選		5433	微生物學實驗/MICROBIOLOGY LAB.	1

## Class:二年級 Sophomore

Required 必 / Elective 選	課程類別 Course category	科目代號 /Group Code	科目名稱/Course Name	學分數 /Credits
Required/必	專業基礎課程 Professional Basic Course	2033	生物化學/BIOCHEMISTRY	3
Required/必		2179	生物化學實驗/BIOCHEMISTRY LAB.	1
Required/必		5444	蔬菜學/OLERICULTURE	3
Required/必		5541	蔬菜學實習/OLERICULTURE LAB.	1
Required/必		2077	遺傳學/GENETICS	3
Required/必		2644	遺傳學實習/GENETICS LAB.	1
Required/必		5445	花卉學/FLORICULTURE	3
Required/必		5442	花卉學實習/FLORICULTURE LAB.	1
Required/必		5060	園產品處理學/POSTHARVEST HANDLING OF HORTICULTURAL PRODUCTS	2
Required/必		5153	園產品處理學實習/POSTHARVEST HANDLING OF HORTICULTURAL PRODUCTS LAB.	1
Required/必		5062	造園學/LANDSCAPE GARDENING	2
Required/必		5155	造園學實習/LANDSCAPE GARDENING LAB.	1
Elective/選	專業進階課程 Professional Advanced Course 作物科學類 Crop science	5543	植物保護學/PLANT PROTECTION	2
Elective/選	專業進階課程 Professional Advanced Course	2947	植物組織培養/PLANT TISSUE CULTURE	2

Elective/選	生物技術類 Biotechnology	2951	植物組織培養實習/PLANT TISSUE CULTURE LAB.	1
------------	---------------------	------	------------------------------------	---

## Class:三年級 Junior year

Required 必 / Elective 選	課程類別 Course category	科目代號 /Group Code	科目名稱/Course Name	學分數 /Credits
Required/必	專業基礎課程 Professional Basic Course	5063	園藝作物育種學/HORTICULTURAL CROP BREEDING	3
Required/必		2392	分子生物學/MOLECULAR BIOLOGY	3
Required/必		C039	有機農業/ORGANIC AGRICULTURE	2
Required/必		C040	有機農業實習/ORGANIC AGRICULTURE LAB.	1
Required/必		5269	生物技術學/BIOTECHNOLOGY	3
Required/必		5061	園產品加工學/PROCESSING OF HORTICULTURAL CROPS	2
Required/必		5154	園產品加工學實習/PROCESSING OF HORTICULTURAL CROPS LAB.	1
Elective/選	專業進階課程 Professional Advanced Course 作物科學類 Crop science	5206	觀賞樹木學/ORNAMENTAL WOODY PLANTS	2
Elective/選		I543	校外園藝實習/OFF CAMPUS INTERNSHIP ON HORTICULTURE	2
Elective/選		E099	香藥植物/ HERBS	2
Elective/選		0502	土壤與植物營養/SOILS AND PLANT NUTRITION	2
Elective/選		C174	植物繁殖學/PLANT PROPAGATION	2
Elective/選		D255	植物觀賞資源/PLANT ORNAMENTAL RESOURCES	2
Elective/選	專業進階課程 Professional Advanced Course	K437	植物基因調控/PLANT GENE REGULATION	2

Elective/選	生物技術類 Biotechnology	A141	植物生長與分化/PLANT GROWTH AND DIFFERENTIATION	2
Elective/選		3795	生物資訊學導論/INTRODUCTION TO BIOINFORMATIC	2

## Class:四年級 Senior year

Required 必 / Elective 選	課程類別 Course category	科目代號 /Group Code	科目名稱/Course Name	學分數 /Credits
Required/必	專業基礎課程 Professional Basic Course	2038	專題討論/SEMINAR	1
Required/必		C793	植物基因轉殖/PLANT GENE TRANSFER	2
Elective/選	專業進階課程 Professional Advanced Course 作物科學類 Crop science	5209	庭園設計/ GARDEN DESIGN	2
Elective/選		5212	花卉各論/ ADVANCED FLORICULTURE	2
Elective/選		5498	設施園藝/PROTECTIVE HORTICULTURE	2
Elective/選		E098	休閒園藝學/ LEISURE HORTICULTURE	2
Elective/選		5211	蔬菜各論/ ADVANCED OLERICULTURE	2
Elective/選		D254	都市園藝/URBAN HORTICULTURE	2
Elective/選		5123	果樹各論/ SPECIAL TOPICS IN POMOLOGY	2
Elective/選		D256	園藝企業經營管理/PRACTICE OF MANAGEMENT IN HORTICULTURAL BUSINESS	2
Elective/選		A138	生物技術核心實驗/BIOTECHNOLOGY CORE LABORATORY	2
Elective/選	專業進階課程 Professional Advanced Course 生物技術類 Biotechnology	D257	園藝作物產期調節/PRODUCTION REGULATION OF HORTICULTURAL CROPS	2
Elective/選		A532	生物多樣性利用/UTILIZATION OF BIODIVERSITY	2