

Fu Jen Catholic University Department of Life Sciences Master's Program Curriculum Structure

類別 Type	學群Module	科目名稱Course Title	科目代碼 Class number	選別 Required/Elective	規定學分 prescribed credits	一年級first grade		二年級second grade		三年級third grade		四年級fourth grade		備註最低應修學分數Remark
						上 first semester	下 second semester	上 first semester	下 second semester	上 first semester	下 second semester	上 first semester	下 second semester	
統整課程 Unified		論文 Seminar	00041	必 Required	6				6					6
必修課程 Required curriculum		專題討論(碩士班) Seminar: advanced topics on life science	20030	必 Required	2	1	1							4
		論文選讀 Seminar	02781	必 Required	2			1	1					
		基因治療-英 Gene Therapy-Course in English	22747	選 Elective	2	2								
		植物分子生物學特論-英 Specific topics on plant molecular biology	23330	選 Elective	2	2								
		真核細胞分子生物學-英 Molecular Biology in Eukarvotes-Course in English	24670	選 Elective	3	3								
		組織工程概論 Introduction to Tissue Engineering	17808	選 Elective	3	3								
		序列分析與分子演化學 Sequence Analysis and Molecular Evolution	17487	選 Elective	4	4								
		蛋白質體學 Proteomics	12099	選 Elective	4	4								
		細胞分子免疫學 Cellular and Molecular Immunology	09273	選 Elective	3	3								
		實驗動物學 Experimental Animal	06196	選 Elective	3	3								
		癌症細胞生物學 Cancer Cell Biology	16604	選 Elective	2	2								
		基因調控特論	09268	選 Elective	2	2								
		生物科技產業專題 Special Issue in Bioindustry	21052	選 Elective	3	3								
		生醫資料分析 Biomedicac Data Analysis	24405	選 Elective	3	3								
		疫苗學-英 Vaccines -Course in English	22154	選 Elective	3		3							
		植物逆境生理學-英 Plant Stress Physiology-course in English	24097	選 Elective	3		3							
		腫瘤生物學導論 Introduction of Tumor Biology	13970	選 Elective	2		2							
		基因體學概論	16355	選 Elective	3		3							
		幹細胞與再生醫學 Stem Cell and Regenerative Medicine	18873	選 Elective	3		3							
		醫用免疫學 Medical Immunology	17179	選 Elective	3		3							
		保育生物學 Conservation Biology	17021	選 Elective	2		2							
		海洋生物學 Marine Biology	19695	選 Elective	3		3							
		轉譯腦科學	30949	選 Elective	2		2							
		藥物開發學 Drug Development	16357	選 Elective	3		3							
		轉譯醫學實務 Practices of Translational Medicin	21051	選 Elective	3		3							
	酵素化學 Enzymology	02672	選 Elective	3		3								
	酵素化學實驗 Experiment course of enzymology	13042	選 Elective	1		1								
	生物資料分析實務 Practical Analysis of Biological Data	17020	選 Elective	3		3								
論文學分數 Credits of Unified curriculum		6		必修學分數 Credits of Required curriculum		4		選修學分數 Credits of Elective curriculum		20	畢業總學分數 Graduation credits (含論文)		30	