

淡江大學 理學院應用科學博士班 113 學年度入學新生課程規畫表

Tamkang University College of Science Ph.D. Program in Applied Science
Curriculum Planning Chart for 113 academic year (2024-2025) incoming freshmen

科目名稱/subjects	學分數 credits	第 1 學年 1st academic year		第 2 學年 2nd academic year		備 註 /Remarks
		上 1st semester	下 2nd semester	上 1st semester	下 2nd semester	
必修課程：10 學分 Required Courses：10 credits	研究方法與學術倫理 RESEARCH METHODS AND ACADEMIC ETHICS	2	2			
	書報討論(一) SEMINAR (I)	4	2	2		
	書報討論(二) SEMINAR (II)	4			2	2
	資格考試 Doctoral Qualifying Examination	0				0
	論文 THESIS	0				0
選修課程：至少須修 8 學分以上。 Department Elective Courses: A minimum of 8 credits must be completed 附註：選修課程之開設科目，將依據本校規定可開課學分數開課。開課科目每年不盡相同。 Note: The elective courses offered by the department will be arranged based on the number of credits permitted under the university's regulations. The list of courses offered is subject to change on an annual basis.	原子與分子 PHYSICS OF ATOMS AND MOLECULES	3	3			
	X 光光譜學(全英語授課) X-RAY SPECTROSCOPY AND APPLICATIONS	3		3		
	科學計算 SCIENTIFIC COMPUTING	3		3		
	高等材料合成與鑑定 ADVANCED MATERIALS SYNTHESIS AND IDENTIFICATION	3			3	
	高等奈米科技 ADVANCED TECHNOLOGY	3				3

畢業學分數：18 學分(論文另計)

Total Number of Credits Required for Graduation: 18 credits