

中臺科技大學醫學影像暨放射科學系碩士班 112學年度入學課程標準表
Central Taiwan University of Science and Technology Master Program in the Department of Medical Imaging and Radiological Sciences
Curriculum Standards for the 112th Academic Year

1120214系課程委員會會議討論通過
 1120309院課程委員會會議審議通過
 1120315校課程委員會會議審議通過

學年 Academic Year	科目 Course	學分數 Credits	時數 Teaching hours	上學期 First Semester		下學期 Second Semester		備註 Remarks
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
				必修(12學分) Professional Required Courses(12 Credits)				
第一學年1st Academic Year	高等統計學 Advanced Statistics	2	2	2	2			
	專題討論(一) Seminar (I)	1	1	1	1			
	專題討論(二) Seminar (II)	1	1			1	1	
第二學年2st Academic Year	專題討論(三) Seminar (III)	1	1	1	1			
	專題討論(四) Seminar (IV)	1	1			1	1	
	碩士論文 Thesis	6	0			6	0	
選修(47學分) Professional Electives Courses(47 Credits)								
第一學年1st Academic Year	實驗設計與研究方法 Research Design and Method	2	2	2	2			
	輻射劑量學實驗 Radiation Dosimetry Laboratory	2	2	2	2			
	高等超音波學 Advanced in Ultrasound Imaging	2	2	2	2			
	高等放射診斷學 Advanced in Diagnostic Radiology	2	2	2	2			
	輻射分子生物學 Radiation Molecular Biology	2	2	2	2			
	高等生理學 Advanced in Physiology	2	2	2	2			
	核醫影像之臨床研究 Clinical Research in Nuclear Imaging	2	2	2	2			
	高等應用數學 Advanced in Applied Mathematics	2	2			2	2	
	高等磁振造影學 Advanced in Magnetic Resonance Imaging	2	2			2	2	
	醫學影像輔具研發實務 Developing Assistive Device for Medical Imaging	2	2			2	2	
	輻射安全實務 Practice of Radiation Protection	2	2			2	2	
	放射治療品質保證原理 Principle of Radiation Therapy Quality Assurance	2	2			2	2	
	放射性同位素之研究與應用 Research and Application in Radioisotops	2	2			2	2	
	最佳化理論與實作 Advanced in Experimental Optimization	2	2			2	2	
	高等輻射生物學 Advanced in Radiobiology	2	2			2	2	
	科技論文寫作 Scientific Papers Writing	2	2			2	2	
AI 醫學應用與開發 Medical Application and Development of AI	2	2			2	2		
第二學年2nd Academic Year	分子影像藥物 Molecular Imaging Pharmaceuticals	3	3	3	3			
	高階醫學視傳設計 Advanced Audiovisual Presentation Design on Medicine	2	2	2	2			
	高等醫學影像分析與開發 Advanced in Medical Imaging Analysis and Development	2	2	2	2			
	臨床能力評估實務 Clinical Competence Evaluation Practice	2	2	2	2			
	醫學物理實習 Medical Physics Placement	2	4			2	4	
	高等放射化學 Advanced in Radiochemistry	2	2			2	2	
第一學年小計(1) 1st Academic Year Credits Subtotal (1)		38	38	17	17	21	21	
第二學年小計(2) 2nd Academic Year Credits Subtotal (2)		21	17	10	10	11	7	
第三學年小計(3) 3rd Academic Year Credits Subtotal (3)								
第四學年小計(4) 4th Academic Year Credits Subtotal (4)								
合計 Total=(1)+(2)		59	55	27	27	32	28	
畢業規定及其他相關說明： Graduation Requirements and Other Relevant Instructions								
一	畢業學分數計30學分(含碩士論文6學分)。 The graduation requirement is 30 credits, including Graduate thesis 6 credits.							
二	研究生第一學年每學期修習學分不得少於2學分,且最多修習15學分;第二學年起,每學期至最多修習13學分為限。 The first-year graduate students must take a minimum of 2 credits per semester and are allowed to take up to 15 credits. From the second year onwards, students are limited to a maximum of 13 credits per semester.							
三	碩士班之醫學物理實習需在教學醫院實習滿160小時。 The medical physics internship for Graduate students requires completing 160 hours of practice in a teaching hospital.							
四	研究生第一學年每學期修習學分不得少於二學分,且最多修十五學分。第二學年起,每學期至多修習十三學分為限。 The first-year graduate students must take a minimum of two credits per semester and are allowed to take up to fifteen credits. From the second year onwards, students are limited to a maximum of thirteen credits per semester.							
五	研究生應於入學後至學位考試前,需依「中臺科技大學學術倫理教育課程實施要點」完成「學術倫理教育」相關課程修習並取得證明後提交系所審核,始得提出學位考試申請。 Graduate students are required to complete the 「Academic Ethics Education」 courses according to the 「Implementation Guidelines for Academic Ethics Education Courses at Central Taiwan University of Science and Technology」 from enrollment until before the degree examination. After obtaining proof of completion, they must submit it for departmental review before being eligible to apply for the degree examination.							