

**中臺科技大學醫學影像暨放射科學系博士班 112學年度入學課程標準表**  
**Central Taiwan University of Science and Technology Ph.D. 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		
				<b>必修(24學分) Professional Required Courses(24 Credits)</b>					
第一學年1st Academic Year	放射科學總論(一) General Topics in Radiological Sciences (I)	3	3	3	3				
	專題討論(一) Seminar (I)	1	1	1	1				
	放射科學總論(二) General Topics in Radiological Sciences (II)	3	3			3	3		
	專題討論(二) Seminar (II)	1	1			1	1		
第二學年2nd Academic Year	專題討論(三) Seminar (III)	1	1	1	1				
	專題討論(四) Seminar (IV)	1	1			1	1		
第三學年3rd Academic Year	專題討論(五) Seminar (V)	1	1	1	1				
	專題討論(六) Seminar (VI)	1	1			1	1		
	博士論文 Dissertation	12	0			12	0		
<b>選修(35學分) Professional Electives Courses(35 Credits)</b>									
第一學年1st Academic Year	實驗設計與研究方法 Research Design and Method	2	2	2	2				
	高等統計學 Advanced Statistics	2	2	2	2				
	高等骨質密度測量學 Advanced in Bone Densitometry	2	2	2	2				
	高等醫學物理 Advanced in Medical Physics	2	2	2	2				
	核醫學影像之臨床研究 Clinical Research in Nuclear Imaging	2	2	2	2				
	輻射分子生物學 Radiation Molecular Biology	2	2	2	2				
	細胞凋亡學 Cell Apoptosis	2	2	2	2				
	高等磁共振造影學 Advanced in Magnetic Resonance Imaging	2	2			2	2		
	放射治療品質保證原理 Principle of Radiation Therapy Quality Assurance	2	2			2	2		
	高等癌生物學 Advanced in Cancer Biology	2	2			2	2		
第二學年2nd Academic Year	放射暨影像器材品質保證 Radiological and Imaging Equipment Quality Assurance	2	2			2	2		
	海外研習 Overseas Clinical	2	2	2	2				
	分子影像藥物 Molecular Imaging Pharmaceuticals	3	3	3	3				
	高等醫學影像分析與開發 Advanced in Medical Imaging Analysis and Development	2	2	2	2				
	高等核輻射度量 Advanced in Radiation Detection Measurement	2	2	2	2				
	高等放射化學 Advanced in Radiochemistry	2	2			2	2		
	醫學資訊傳輸 Medical Information Communications	2	2			2	2		
	<b>第一學年小計(1) 1<sup>st</sup> Academic Year Credits Subtotal (1)</b>		30	30	18	18	12	12	
	<b>第二學年小計(2) 2<sup>nd</sup> Academic Year Credits Subtotal (2)</b>		15	15	10	10	5	5	
	<b>第三學年小計(3) 3<sup>rd</sup> Academic Year Credits Subtotal (3)</b>		14	2	1	1	13	1	
<b>第四學年小計(4) 4<sup>th</sup> Academic Year Credits Subtotal (4)</b>									
<b>合計 Total=(1)+(2)+(3)+(4)</b>		59	47	29	29	30	18		
<b>畢業規定及其他相關說明:</b> Graduation Requirements and Other Relevant Instructions									
一	畢業學分數計30學分(含博士論文12學分)。 The graduation requirement is 30 credits, including Ph.D. Dissertation 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	博士班英文能力畢業門檻規定:依「中臺科技大學醫學影像暨放射科學系博士班研究生修業辦法」辦理。 Ph.D. Program English Proficiency Graduation Requirements: Conducted in accordance with the 「Central Taiwan University of Science and Technology Department of Medical Imaging and Radiological Sciences Ph.D. Program Graduate Study Regulations.」								
四	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.								