

中臺科技大學醫學影像暨放射科學系碩士班 113學年度入學課規劃表
Central Taiwan University of Science and Technology Master Program in the Department of Medical Imaging and Radiological Sciences Curriculum Standards for the 113th Academic Year

1130227系課程委員會會議討論通過
 1130321院課程委員會會議審議通過
 1130403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 | |
| | 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 | |
| | 高等磁共振影學 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)3th 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 | 最低畢業學分為30學分，必修12學分(含碩士論文6學分)，選修至少18學分。 The minimum graduation requirement is 30 credits, including 12 required credits (with 6 credits for the Graduate thesis) and at least 18 elective credits. | | | | | | | |
| 二 | 研究生第一學年每學期修習學分不得少於2學分，且至多修習15學分；第二學年起，每學期至多修習13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. | | | | | | | |
| 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 | 研究生應於入學後至學位考試前，依「中臺科技大學學術倫理教育課程實施要點」透過「臺灣學術倫理教育資源中心」網路教學平臺研習至少6小時課程並通過總測驗，於該網站下載修課證明後，提交系所審核，始得提出學位考試申請。 Graduate students are required to complete at least 6 hours of courses and pass the final test through the 「Taiwan Academic Ethics Education Resource Center」 online teaching platform 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 downloading the course completion certificate from the website, they must submit it for departmental review before being eligible to apply for the degree examination. | | | | | | | |