

中臺科技大學五專制日間部醫學影像暨放射科學科114學年度入學課程標準表

1140304系課程委員會會議討論通過
 1140311院課程委員會會議審議通過
 1140319校課程委員會會議審議通過
 1140825系課程委員會會議審議通過
 1141007院課程委員會會議審議通過
 1141015校課程委員會會議審議通過

| 科目類別 | 科目名稱 | 學分數 | 時數 | 第一學年 | | 第二學年 | | 第三學年 | | 第四學年 | | 第五學年 | | 備註 |
|---------------|---|-----|----|------|----|------|----|------|----|------|----|------|----|------|
| | | | | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | |
| | | | | 授課 | 實習 | |
| 語文 | 國文(一)~(二) Chinese (I)~(II) | 8 | 8 | 4 | 4 | | | | | | | | | |
| | 國文(三)~(六) Chinese (III)~(VI) | 8 | 8 | | | 2 | | 2 | | 2 | | | | |
| | 英文(一)~(六) English (I)~(VI) | 12 | 12 | 2 | 2 | 2 | | 2 | | 2 | | | | |
| | 本土語文 Native Language | 2 | 2 | | | | 2 | | | | | | | |
| 數學 | 數學(一) Mathematics (I) | 2 | 2 | 2 | | | | | | | | | | |
| | 數學(二) Mathematics (II) | 2 | 2 | | | 2 | | | | | | | | |
| 社會 | 公民與社會 Citizen and Society | 4 | 4 | 2 | | 2 | | | | | | | | |
| 自然科學 | 史地通論 General History and Geography | 2 | 2 | | | | | | 2 | | | | | |
| | 普通生物學 General Biology | 2 | 2 | 2 | | | | | | | | | | |
| | 普通物理學 General Physics | 2 | 2 | | | 2 | | | | | | | | |
| 藝術 | 美術 Art | 2 | 2 | 2 | | | | | | | | | | |
| | 音樂 Music | 2 | 2 | | | 2 | | | | | | | | |
| 科技綜合活動 | 資訊科技與AI應用 Information Technology and AI Application | 2 | 2 | | | 2 | | | | | | | | 電腦課程 |
| | 法律學概論 Introduction to Law | 2 | 2 | | | | | 2 | | | | | | |
| 小計(1) | | 52 | 52 | 14 | 0 | 16 | 0 | 8 | 0 | 6 | 0 | 4 | 0 | 4 |
| 國防 | 全民國防教育 All-out Defense Education | 2 | 2 | | | | | 2 | | | | | | |
| 健康與體育 | 健康與護理 Health and Care | 2 | 2 | 2 | | | | | | | | | | |
| | 體育(一)~(六) Physical Education (I)~(VI) | 12 | 12 | 2 | | 2 | | 2 | | 2 | | 2 | | |
| 小計(2) | | 16 | 16 | 4 | 0 | 2 | 0 | 4 | 0 | 2 | 0 | 2 | 0 | 0 |
| 通識教育小計(1)+(2) | | 68 | 68 | 18 | 0 | 18 | 0 | 12 | 0 | 8 | 0 | 6 | 0 | 0 |
| 核心基礎 | 解剖學暨實驗(一) Anatomy and Laboratory (I) | 2 | 3 | 2 | 1 | | | | | | | | | |
| | 解剖學暨實驗(二) Anatomy and Laboratory (II) | 2 | 3 | | | 2 | 1 | | | | | | | |
| | 普通化學 General Chemistry | 2 | 2 | | | 2 | | | | | | | | |
| | 生理學暨實驗(一) Physiology and Laboratory (I) | 2 | 3 | | | | | 2 | 1 | | | | | |
| | 原子物理 Atomic Physics | 2 | 2 | | | | | 2 | | | | | | |
| | 醫學影像原理 Principles of Medical Imaging | 2 | 2 | | | | | | 2 | | | | | |
| | 微積分 Calculus | 2 | 2 | | | | | | 2 | | | | | |
| | 生理學暨實驗(二) Physiology and Laboratory (II) | 2 | 3 | | | | | | 2 | | | | | |
| | 病理學暨實驗 Pathology and Laboratory | 1 | 2 | | | | | | 1 | 1 | | | | |
| | 應用數學(一) Applied Mathematics (I) | 2 | 2 | | | | | | | | 2 | | | |
| | 應用數學(二) Applied Mathematics (II) | 2 | 2 | | | | | | | | 2 | | | |
| | 小計(3) | 21 | 26 | 2 | 1 | 4 | 1 | 4 | 1 | 7 | 2 | 2 | 0 | 2 |
| | 醫學英文 Medical English | 2 | 2 | | | 2 | | | | | | | | |
| | 放射診斷儀器學 Diagnostic Modalities | 2 | 2 | | | | | 2 | | | | | | |
| | 醫學影像處理暨儲傳系統 Medical Imaging Processing and Archiving System | 2 | 2 | | | | | | 2 | | | | | |
| | 放射物理學(一) Radiation Physics (I) | 2 | 2 | | | | | | 2 | | | | | |
| 核心專業 | 放射物理學(二) Radiation Physics (II) | 2 | 2 | | | | | | | 2 | | | | |
| | 放射化學 Radiochemistry | 2 | 2 | | | | | | | 2 | | | | |
| | 電腦斷層技術暨實驗 CT and Laboratory | 2 | 3 | | | | | | | 2 | 1 | | | |
| | 醫學報告與傳達 Literature Review and Presentation | 1 | 2 | | | | | | | 2 | | | | |
| | 放射切面解剖學 Radiographic Cross Sectional Anatomy | 2 | 2 | | | | | | | 2 | | | | |
| | 超音波原理與儀器學 Principle of Sonography and Instruments | 2 | 2 | | | | | | | 2 | | | | |
| | 放射診斷技術學(一) Diagnostic Imaging (I) | 2 | 2 | | | | | | | 2 | | | | |
| | 放射診斷技術學實驗(一) Diagnostic Imaging Laboratory (I) | 2 | 3 | | | | | | | | 3 | | | |
| | 放射診斷技術學(二) Diagnostic Imaging (II) | 2 | 2 | | | | | | | | 2 | | | |
| | 放射診斷技術學實驗(二) Diagnostic Imaging Laboratory (II) | 2 | 3 | | | | | | | | 3 | | | |
| | 放射治療物理學 Radiation Therapy Physics | 2 | 2 | | | | | | | | 2 | | | |
| | 放射生物學 Radiation Biology | 2 | 2 | | | | | | | | 2 | | | |
| | 核醫藥物學 Radiopharmaceuticals | 2 | 2 | | | | | | | | 2 | | | |
| | 超音波技術學 Sonography | 2 | 2 | | | | | | | | 2 | | | |
| | 磁振原理及儀器學 Principle of MRI and Instruments | 2 | 2 | | | | | | | | 2 | | | |
| | 放射治療儀器學 Radiation Therapy Modalities | 2 | 2 | | | | | | | | 2 | | | |
| | 放射治療技術學(一) Radiation Therapy Technology (I) | 2 | 2 | | | | | | | | 2 | | | |
| | 輻射安全學 Radiation Safety | 2 | 2 | | | | | | | | 2 | | | |
| | 核子醫學原理及儀器學 Principle and Instrument of Nuclear Medicine | 2 | 2 | | | | | | | | 2 | | | |
| | 輻射度量暨實驗 Radiation Measurement and Laboratory | 1 | 2 | | | | | | | | 1 | 1 | | |
| | 磁振造影技術學 MRI Technology | 2 | 2 | | | | | | | | | 2 | | |

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|------|--|-----|-----|------|----|------|----|------|----|------|----|------|-----|----------|
| | | | | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | 上 | 下 | |
| | | | | 授課 | 實習 | |
| | 特殊攝影技術學暨實驗 Special Radiography and Laboratory | 2 | 3 | | | | | | | | | 2 | 1 | |
| | 放射治療技術學(二) Radiation Therapy Technology (II) | 2 | 2 | | | | | | | | | 2 | | |
| | 放射治療計畫 Treatment Planning of Radiation Therapy | 2 | 2 | | | | | | | | | 2 | | |
| | 輻防法規實務 Radiation Protection Regulations Practice | 1 | 1 | | | | | | | | | 1 | | |
| | 核子醫學技術學 Nuclear Medicine Technology | 2 | 2 | | | | | | | | | 2 | | |
| | 臨床醫學英文 Medical English for Clinical Application | 1 | 1 | | | | | | | | | 1 | | |
| | 放射診斷技術實習 Clinical Placement-Diagnostic Imaging | 6 | 12 | | | | | | | | | | 12 | 校外實習 |
| | 放射治療技術實習 Clinical Placement-Radiotherapy | 4 | 8 | | | | | | | | | | 8 | 校外實習 |
| | 核子醫學技術實習 Clinical Placement-Nuclear Medicine Technology | 4 | 8 | | | | | | | | | | 8 | 校外實習 |
| | 基礎醫學證照實務 License Review of Basic Medicine | 1 | 2 | | | | | | | | | | 2 | |
| | 放射物理證照實務 License Review of Radiation physics | 1 | 2 | | | | | | | | | | 2 | |
| | 放射器材證照實務 License Review of Radiological Instrument | 1 | 2 | | | | | | | | | | 2 | |
| | 放射診斷證照實務 License Review of Diagnostic Imaging | 1 | 2 | | | | | | | | | | 2 | |
| | 放射治療證照實務 License Review of Radiation Therapy Modalities | 1 | 2 | | | | | | | | | | 2 | |
| | 核子醫學證照實務 License Review of Nuclear Medicine | 1 | 2 | | | | | | | | | | 2 | |
| | 放射證照實務 License Review of Radiological | 1 | 2 | | | | | | | | | | 2 | |
| | 小計(4) | 79 | 106 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 0 | 14 | 4 | 10 |
| | 專業必修小計(二)=小計(3)+(4) | 100 | 132 | 2 | 1 | 6 | 1 | 6 | 1 | 11 | 2 | 16 | 4 | 12 |
| | 必修合計(A)=小計(一)+(二) | 168 | 200 | 20 | 1 | 24 | 1 | 18 | 1 | 19 | 2 | 22 | 4 | 18 |
| 領域涵養 | 領域涵養 | 2 | 2 | | | | | | | | | | 2 | |
| | 領域涵養 | 2 | 2 | | | | | | | | | | 2 | |
| | 小計(5) | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 專業選修 | 醫學影像暨放射科學概論 Introduction of Medical Imaging and Radiological | 2 | 2 | 2 | | | | | | | | | | 定锚課程 |
| | 普通物理學實驗 General Physics Laboratory | 1 | 2 | | | | | | | | | | | |
| | 普通化學實驗 General Chemistry Laboratory | 1 | 2 | | | | | | | | | | | |
| | 微積分概論 Introduction to Calculus | 2 | 2 | | | | | | | | | | | |
| | 基本電學 Basic Electronics | 2 | 2 | | | | | | | | | | | |
| | 電子電路學 Electronic Circuits | 2 | 2 | | | | | | | | | | | |
| | 牙科攝影技術學暨實驗 Dental Radiography and Laboratory | 1 | 2 | | | | | | | | | | | |
| | 人工智慧於放射醫學應用 Application of Artificial Intelligence on Radiological | 2 | 2 | | | | | | | | | | | |
| | 超音波技術學實驗 Sonography Laboratory | 1 | 2 | | | | | | | | | | | |
| | 專題研究(一) Radiological Sciences Research (I) | 1 | 2 | | | | | | | | | | | |
| | 放射診斷見習 Diagnostic Imaging Practice | 1 | 2 | | | | | | | | | | | 校外見習2-3週 |
| | 專題研究(二) Radiological Sciences Research (II) | 1 | 2 | | | | | | | | | | | |
| | 癌生物學 Cancer Biology | 2 | 2 | | | | | | | | | | 2 | |
| | 心臟超音波技術學暨實驗 Echocardiography and Laboratory | 2 | 3 | | | | | | | | | | 1 2 | |
| | 乳房攝影暨骨質密度測量學實驗 Mammography and Bone Densitometry | 1 | 2 | | | | | | | | | | 1 1 | |
| | 進階基礎醫學(一) Advanced Basic Medicine (I) | 2 | 2 | | | | | | | | | | 2 | |
| | 休閒體育(一) Leisure Physical Education (I) | 2 | 2 | | | | | | | | | | 2 | |
| | 醫學影像診斷學(一) Medical Imaging Diagnosis (I) | 2 | 2 | | | | | | | | | | 2 | |
| | 生物統計學 Biostatistics | 2 | 2 | | | | | | | | | | 2 | |
| | 進階基礎醫學(二) Advanced Basic Medicine (II) | 2 | 2 | | | | | | | | | | 2 | |
| | 休閒體育(二) Leisure Physical Education (II) | 2 | 2 | | | | | | | | | | 2 | |
| | 醫學影像診斷學(二) Medical Imaging Diagnosis (II) | 2 | 2 | | | | | | | | | | 2 | |
| | 心導管攝影技術學暨實驗 Cardiac Catheterization Angiography Laboratory | 1 | 2 | | | | | | | | | | 1 1 | |
| | 病患安全與醫學倫理 Patient Safety and Medical Ethics | 1 | 1 | | | | | | | | | | 1 | 職業倫理 |
| | 放射治療技術學實驗 Radiation Therapy Laboratory | 1 | 2 | | | | | | | | | | 2 | |
| | 放射診斷品質保證 Radiographic Quality Assurance | 2 | 2 | | | | | | | | | | 2 | |
| | 放射治療品質保證 Radiation Therapy Quality Assurance | 2 | 2 | | | | | | | | | | 2 | |
| | 核子醫學品質保證 Nuclear Medicine Quality Assurance | 2 | 2 | | | | | | | | | | 2 | |
| | 放射免疫學 Radioimmunoassay | 2 | 2 | | | | | | | | | | 2 | |
| | 磁振造影證照實務 License Review of MRI | 2 | 2 | | | | | | | | | | 2 | |
| | 小計(6) | 49 | 60 | 2 | 0 | 0 | 4 | 4 | 0 | 3 | 1 | 0 | 0 | |
| | 選修合計(B)=小計(5)+(6) | 53 | 64 | 2 | 0 | 0 | 4 | 4 | 0 | 3 | 1 | 0 | 0 | 2 |
| | 開課合計=必修(A)+選修(B) | 221 | 264 | 22 | 1 | 24 | 5 | 22 | 1 | 22 | 3 | 22 | 4 | 20 |
| | 畢業相關規定說明： | | | | | | | | | | | | | |
| 一 | 修業年限5年，最低畢業學分為220學分，必修168學分（含部定必修52學分、國防2學分、健康與體育14學分、專業必修100學分），領域涵養4學分，選修至少52學分。 | | | | | | | | | | | | | |
| 二 | 每學期修業學分數之限制：一、二、三年級20-32學分；四、五年級12-28學分。開放本科四、五年級生選修四年制大學一、二年級課程。 | | | | | | | | | | | | | |
| 三 | 畢業前需取得本校「資訊能力」畢業資格審定暨實施要點所列之資訊相關證照，始得畢業。 | | | | | | | | | | | | | |
| 四 | 有關英文能力畢業門檻之相關規定，依照「中臺科技大學大學部英（日）文畢業門檻實施要點」之規定辦理。 | | | | | | | | | | | | | |
| 五 | 『在本校就學期間必須取得心肺復甦術（CPR）畢業門檻之相關規定，依照「中臺科技大學健康科學院心肺復甦術（CPR）證照畢業門檻實施要點」之規定辦理』。 | | | | | | | | | | | | | |
| 六 | 實習分發資格：分發前需已加選下列5門專業選修課程： (1)超音波技術學實驗、(2)心臟超音波技術學暨實驗、(3)牙科攝影技術學暨實驗、(4)磁振造影技術學、(5)病患安全與醫學倫理。 | | | | | | | | | | | | | |
| 七 | 定錨課程：畢業前需選修醫學影像暨放射科學概論（2學分/2小時）之課程。 | | | | | | | | | | | | | |