

慈濟科技大學 108 學年度四年制醫學影像暨放射科學系開課科目及學分時數表

| 科目類別 | 科目 | 總學分 | 時數 | 第一學年 | | | | 第二學年 | | | | 第三學年 | | | | 第四學年 | | | | 註備 |
|---|----------------|----------|-----|------|-----|------|----|------|----|-----|----|------|----|----|----|------|----|----|-------|----|
| | | | | 上 | | 下 | | 上 | | 下 | | 上 | | 下 | | 上 | | 下 | | |
| | | | | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | |
| 基礎通識 | 國文 | 4 | 4 | 2 | | 2 | | | | | | | | | | | | | 10 學分 | |
| | 英文 | 4 | 8 | 1 | | 1 | | 1 | | 1 | | | | | | | | | | |
| | 慈濟人文 | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| | 勞作教育一 | 0 | 2 | 0 | | | | | | | | | | | | | | | | |
| | 勞作教育二 | 0 | 2 | | | 0 | | | | | | | | | | | | | | |
| | 體育 | 0 | 8 | 0 | | 0 | | 0 | | 0 | | | | | | | | | | |
| | 小計 | 10 | 26 | 3/8 | | 5/10 | | 1/4 | | 1/4 | | | | | | | | | | |
| 核心通識 | 人文與藝術向度 | | | | | | | | | | | | | | | | | | 3 選 1 | |
| | 1. 語文應用與表達 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 2. 生命教育 | | | | | | | | | | | | | | | | | | | |
| | 3. 音樂欣賞 | | | | | | | | | | | | | | | | | | 3 選 1 | |
| | 公民素養向度 | | | | | | | | | | | | | | | | | | | |
| | 1. 憲法與人權 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 2. 法學緒論 | | | | | | | | | | | | | | | | | | 2 選 1 | |
| | 3. 社會與文化 | | | | | | | | | | | | | | | | | | | |
| | 歷史與文化向度 | | | | | | | | | | | | | | | | | | | |
| | 1. 中西藝術史導論 | 2 | 2 | | | 2 | | | | | | | | | | | | | 2 選 1 | |
| | 2. 歷史小說與史學名著選讀 | | | | | | | | | | | | | | | | | | | |
| | 科技與智慧生活向度 | | | | | | | | | | | | | | | | | | | |
| | 1. 資訊科技應用 | 2 | 2 | | | 2 | | | | | | | | | | | | | 2 選 1 | |
| 2. 現代生活科技 | | | | | | | | | | | | | | | | | | | | |
| 小計 | 8 | 8 | 4/4 | | 4/4 | | | | | | | | | | | | | | | |
| 說明:核心通識每學期每向度開設 1~3 門課程, 學生每學期擇 2 向度各選修 1 門課, 預計 2 學期選修 4 門課, 共計 8 學分 | | | | | | | | | | | | | | | | | | | | |
| 專業基礎科目 | 普通物理學 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 普通物理學實驗 | 1 | 2 | | 1 | | | | | | | | | | | | | | | |
| | 普通化學 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 普通化學實驗 | 1 | 2 | | 1 | | | | | | | | | | | | | | | |
| | 普通生物 | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| | 普通生物實驗 | 1 | 2 | | | 1 | | | | | | | | | | | | | | |
| | 微積分(一) | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 微積分(二) | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| | 應用數學 | 2 | 2 | | | | | 2 | | | | | | | | | | | | |
| | 電腦概論 | 2 | 2 | | | | | 2 | | | | | | | | | | | | |
| | 醫用電子電路學 | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| | 放射物理學(一) | 2 | 2 | | | 2 | | | | | | | | | | | | | | |
| | 放射物理學(二) | 2 | 2 | | | | | 2 | | | | | | | | | | | | |
| | 放射化學 | 2 | 2 | | | | | | 2 | | | | | | | | | | | |
| 放射生物學 | 2 | 2 | | | | | 2 | | | | | | | | | | | | | |
| 解剖學 | 4 | 4 | | | | | 4 | | | | | | | | | | | | | |
| 生理學 | 3 | 3 | | | | | | 3 | | | | | | | | | | | | |
| 病理學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | | |
| 小計 | 36 | 39 | 6 | 2 | 8 | 1 | 12 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 專業核心科目 | 放射診斷器材學 | 3 | 3 | | | | 3 | | | | | | | | | | | | | |
| | 放射切面解剖學 | 1 | 1 | | | | | | 1 | | | | | | | | | | | |
| | 放射治療物理學 | 2 | 2 | | | | | | 2 | | | | | | | | | | | |
| | 放射診斷技術學(一) | 2 | 2 | | | | | | 2 | | | | | | | | | | | |
| | 輻射安全學 | 2 | 2 | | | | | | 2 | | | | | | | | | | | |
| | 核子醫學藥物學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 核子醫學器材學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 超音波學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 磁共振影學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 放射診斷技術學(二) | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 電腦斷層影像學 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 醫學影像診斷學 | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 醫學影像品質管制 | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 醫學影像處理 | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 醫學影像儲傳系統 | 1 | 1 | | | | | | | | | 1 | | | | | | | | |
| | 特殊攝影技術學 | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 放射治療技術學 | 3 | 3 | | | | | | | | | 3 | | | | | | | | |
| | 放射治療器材學 | 2 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 核子醫學技術學 | 3 | 3 | | | | | | | | | 3 | | | | | | | | |
| | 放射治療品質管制 | 1 | 1 | | | | | | | | | 1 | | | | | | | | |
| 放射診斷技術實習 | 6 | 20 | | | | | | | | | | | | 6 | | | | | | |
| 放射治療技術實習 | 3 | 10 | | | | | | | | | | | | 3 | | | | | | |
| 核子醫學技術實習 | 3 | 10 | | | | | | | | | | | | 3 | | | | | | |
| 書報討論 | 1 | 2 | | | | | | | | | | | | | | 1 | | | | |
| 小計 | 53 | 82 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 0 | 12 | 0 | 18 | 0 | 0 | 12 | 1 | 0 | | |
| 選修科目 | 專業選修 | 15 | 15 | | | | | | | | | | | | | | | | | |
| | 通識選修 | 10 | 10 | | | | | | | | | | | | | | | | | |
| 總計 | 必修學分數 | 107 | 155 | 13 | 2 | 17 | 1 | 16 | 0 | 13 | 0 | 14 | 0 | 18 | 0 | 0 | 12 | 1 | 0 | |
| | 選修最低學分數 | 25 | 25 | | | | | | | | | | | | | | | | | |
| | 畢業最低學分數(時數) | 132(180) | | | | | | | | | | | | | | | | | | |

備註

- 備註：
 一、四技部入學新生皆參加英語分級安置測驗，分為基礎級、普通級、進修級三級分班教學。
 二、四技部學生通識選修至少修滿 10 學分，且須涵蓋通識五大向度（人文與藝術、公民素養、歷史與文化、生命科學與環境、科技與智慧生活）之任三向度。
 三、本系學生畢業門檻如下：
 1. 專業能力畢業門檻：取得輻射安全證書或 CPR 證書。
 四、本表如有變動或與開課狀況不同，一律以醫學影像暨放射科學系實際開課科目及學分時數為準。

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| 科目類別 | 科目 | 總學分 | 時數 | 第一學年 | | | | 第二學年 | | | | 第三學年 | | | | 第四學年 | | | | 註備 |
|----------|--|-----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|----|
| | | | | 上 | | 下 | | 上 | | 下 | | 上 | | 下 | | 上 | | 下 | | |
| | | | | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | 授課 | 實習 | |
| 專業選修科目 | 放射醫學概論 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 醫放專業術語 | 2 | 2 | 2 | | | | | | | | | | | | | | | | |
| | 解剖學實驗 | 1 | 2 | | | | 2 | | | | | | | | | | | | | |
| | 電腦斷層與牙科放射技術學 | 2 | 2 | | | | 2 | | | | | | | | | | | | | |
| | 放射醫學服務學習 | 2 | 2 | | | | 2 | | | | | | | | | | | | | |
| | 放射師之醫學倫理 | 2 | 2 | | | | 2 | | | | | | | | | | | | | |
| | 生理學實驗 | 1 | 2 | | | | | 2 | | | | | | | | | | | | |
| | 放射診斷技術學實驗(一) | 1 | 3 | | | | | 3 | | | | | | | | | | | | |
| | 輻射安全學實驗 | 1 | 2 | | | | | 2 | | | | | | | | | | | | |
| | 輻射度量 | 2 | 2 | | | | | | | 2 | | | | | | | | | | |
| | 磁共振造影之臨床應用與研究 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 放射診斷技術學實驗(二) | 1 | 3 | | | | | | | | 3 | | | | | | | | | |
| | 治療計畫模擬 | 2 | 2 | | | | | | | | 2 | | | | | | | | | |
| | 超音波學實驗 | 1 | 2 | | | | | | | | | 2 | | | | | | | | |
| | 進階放射診斷物理暨器材 | 2 | 2 | | | | | | | | | | | | | | 2 | | | |
| | 進階核子醫學影像物理器材學 | 2 | 2 | | | | | | | | | | | | | | 2 | | | |
| | 進階放射治療物理暨器材學 | 2 | 2 | | | | | | | | | | | | | | 2 | | | |
| 基礎醫學專題討論 | 2 | 2 | | | | | | | | | | | | | | 2 | | | | |
| 放射醫學實務 | 1 | 1 | | | | | | | | | | | | | | 1 | | | | |
| 備註 | 本表如有變動或與開課狀況不同，一律以醫學影像暨放射科學系實際開課科目及學分時數為準。 | | | | | | | | | | | | | | | | | | | |