中國醫藥大學 醫學院生物醫學影像暨放射科學學系碩士班 選修畢業學分認定表 114 學年度入學適用

China Medical University Graduate Institute of Biomedical Imaging and Radiological Science Elective for Master Program (Applicable for 2025-2026 Enrollees)

列印日期(Date)：114年10月17日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman		二年級 Sophomore		可供博士班下修（請打勾） Available for Ph.D. Program (check)	可供學士班上修（請打勾） Available for Undergraduate (check)	課程分類 Category	備註 Remarks
			上 1	下 2	上 1	下 2				
工程數值分析特論(Special topics on advanced numerical analysis)／M1M000015	選(E)	2.0	2.0						所定選修(Elective Courses)	
生醫影像原理與應用(Biomedical imaging : principals & applications)／M1M000010	選(E)	2.0	2.0						所定選修(Elective Courses)	
保健物理特論(Special topics on health physics)／M1M000012	選(E)	2.0	2.0						所定選修(Elective Courses)	全英課程(English course)
研究設計與論文寫作(Research design & scientific writing)／M1M000006	選(E)	2.0	2.0						所定選修(Elective Courses)	
科學程式設計特論(Special topics on scientific computing)／M1M000014	選(E)	2.0	2.0						所定選修(Elective Courses)	
超音波影像特論(Special topics on ultrasound imaging)／M1M000030	選(E)	2.0	2.0						所定選修(Elective Courses)	
輻射生物學特論(Special topics on radiobiology)／M1M000009	選(E)	2.0	2.0						所定選修(Elective Courses)	
醫用磁振造影學特論(Special topics on medical magnetic resonance imaging)／M1M000008	選(E)	2.0	2.0						所定選修(Elective Courses)	全英課程(English course)
功能性磁振造影特論(Special topics on functional magnetic resonance imaging)／M1M000019	選(E)	2.0		2.0					所定選修(Elective Courses)	
生物醫學工程特論(Special topics on biomedical engineering)／M1M000016	選(E)	2.0		2.0					所定選修(Elective Courses)	
生物醫學分子影像特論(Special topics on molecular imaging)／M1M000021	選(E)	2.0		2.0					所定選修(Elective Courses)	
放射免疫特論(Special topics on radioimmunology)／M1M000033	選(E)	2.0		2.0					所定選修(Elective Courses)	
放射治療特論(Special topics on Radiation Therapy)／M1M000024	選(E)	2.0		2.0					所定選修(Elective Courses)	
放射科學產業特論(Special topics on industry of radiological science)／M1M000017	選(E)	2.0		2.0					所定選修(Elective Courses)	全英課程(English course)
治療用超音波特論(Special topics on therapeutic ultrasound)／M1M000022	選(E)	2.0		2.0					所定選修(Elective Courses)	全英課程(English course)
計算機圖學特論(Special topics on computer graphics)／M1M000029	選(E)	2.0		2.0					所定選修(Elective Courses)	全英課程(English course)
神經計算特論(Special topics on neurocomputing)／GCM000012	選(E)	2.0		2.0					所定選修(Elective Courses)	同時為人工智慧醫療學分學程選修(Elective course for Artificial Intelligence in Medicine Program)
電腦輔助醫療影像分析(Computer-aided medical image analysis)／M1M000031	選(E)	2.0		2.0					所定選修(Elective Courses)	
輻射度量與輻射防護特論(Special topics on radiation measurement & radioprotection)／M1M000032	選(E)	2.0		2.0					所定選修(Elective Courses)	
醫學物理學特論(Special topics on medical physics)／M1M000025	選(E)	2.0		2.0					所定選修(Elective Courses)	全英課程(English course)
專題討論(三)(Seminar (III))／M1M000003	選(E)	1.0			1.0				所定選修(Elective Courses)	限本系學生(Only limited to students of Department of BIRS)
專題討論(四)(Seminar (IV))／M1M000004	選(E)	1.0				1.0			所定選修(Elective Courses)	限本系學生(Only limited to students of Department of BIRS)
合計 選修總學分 (Elective subtotal)		42.0	16.0	24.0	1.0	1.0				

校內注意事項

一、校級畢業規定

(一)須完成修讀「實驗室安全」0學分及「研究倫理」0學分課程。

(二)須通過校定碩士生英文能力鑑定標準，相關規定依本校「學生英文能力鑑定實施辦法」辦理。(外籍生免修)

(三)教學助理訓練：碩士生須完成至少1學期之教學助理訓練。(外籍生免修)

二、本學分表做為畢業應修課程學分之認定依據。

Note of CMU

University requirement for graduation.

(1)Students must take and pass the courses: Research Ethics(0 credit) and Laboratory Safety (0 credit).

(2)According to the regulation of CMU Students' English Proficiency Assessment, students must pass the English Proficiency requirement before graduation.

(Foreign students excluded)

(3)Teaching assistant training: All Master students must complete at least one semester of teaching assistant training.

(Foreign students excluded)

2.This list is used as the recognition basis of courses and credits required for graduation.

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生物醫學影像暨放射科學學系碩士班注意事項

一、教育目標：培育具國際觀之生醫影像及放射科學高級研究人才與師資。

二、本系所修業1-4年，最低畢業學分為30學分，含必修8學分、碩士論文6學分，選修16學分（需有10學分為本系碩士班選修課程）。 外籍生必修、選修課程，可經授課教師及系主任同意即可提出替代課程申請。

三、院級、校級所規定課程則需依相關規定之。

Note of Graduate Institute of Biomedical Imaging and Radiological Science

1. Education Objectives: To develop advanced researchers and faculties with international perspectives in the field of biomedical imaging and radiation sciences.
2. Graduation Requirements: A minimum of 30 units of credit including 8 units of compulsory credit, 6 units of credit from master's thesis, and 16 units of elective credit (a minimum of 10 units of elective credit from the master's courses in our institution). The international students can apply for the alternatives for their required/elective courses after getting the approval from a counselor or the chairperson of the department.
3. Course requirements follow the College- and School-level regulations.

單位主管簽章：