中國醫藥大學 醫學院生物醫學影像暨放射科學學系 選修畢業學分認定表 110 學年度入學適用

China Medical University Elective for Undergraduate Majors (Applicable for 2021-2022 Enrollees)

列印日期(Date)：113年12月24日

科目名稱/課號 Course Title/Course ID	修別 Type	學分 Credits	一年級 Freshman 上 1	一年級 Freshman 下 2	二年級 Sophomore 上 1	二年級 Sophomore 下 2	三年級 Junior 上 1	三年級 Junior 下 2	四年級 Senior 上 1	四年級 Senior 下 2	課程分類 Category	備註 Remarks
生在福中要知輻(Knowing the radiation in your life)／20U000194	選(E)	1.0	1.0								系定選修(Departmental Elective Courses)	線上課程(online courses)
生物醫學工程概論(Introduction to biomedical engineering)／20U000129	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	同時為生醫工程學分學程之必修-自102學年度起於北港校區(白天)及台中校區(晚間-限生物醫學工程學分學程之學生選修)(Required course for Biomedical Engineering Program)
仿生科技導論(Introduction to biomimicry)／20U000183	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
放射科學與技術概論(An introduction to technology of radiological sciences)／20U000180	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
計算機概論(Introduction to computer science)／20U000182	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程選修課程(Elective course for Artificial Intelligence in Medicine Program)
超音波實驗課(Practice for diagnostic medical sonography)／20U000160	選(E)	1.0	1.0								系定選修(Departmental Elective Courses)	限本系學生(Only limited to students of Department of BIRS)
生物醫學工程論文導讀(Guided reading on articles of biomedical engineering)／20U000130	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	全英教材(English course)
放射科學與技術論文導讀(Guided reading on articles of radiological science & technology)／20U000181	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
程式語言(Programming language)／20U000092	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程選修課程(Elective course for Biomedical Engineering Program)
人工智慧專題討論(一)(Artificial intelligence seminar (I))／20U000191	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程之選修(Elective course for Artificial Intelligence in Medicine Program)
生物醫學工程概論(Introduction to biomedical engineering)／20U000129	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	同時為生醫工程學分學程之必修-自102學年度起於北港校區(白天)及台中校區(晚間-限生物醫學工程學分學程之學生選修)(Required course for Biomedical Engineering Program)
生醫流體力學(Biofluid mechanics)／20U000152	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程選修課程(Elective course for Biomedical Engineering Program)
基礎生物程式設計(Basic programming in biology)／20U000187	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程必修課程(Required course for Artificial Intelligence in Medicine Program)
專題研究(一)(Special topics (I))／20U000089	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
醫用電子學(Medical electronics)／20U000028	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程之選修(Elective course for Biomedical Engineering Program)
醫用電子學實驗(Medical electronIcs laboratory)／20U000029	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	限25人(The maximum number of students is 25)
人工智慧基礎理論(Fundamental theories of artificial intelligence)／20U000188	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程選修課程(Elective course for Artificial Intelligence in Medicine Program)
人工智慧專題討論(二)(Artificial intelligence seminar (II))／20U000192	選(E)	1.0				1.0					系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程之選修(Elective course for Artificial Intelligence in Medicine Program)
生物醫學訊號影像導論(Introduction to biomedical signal imaging)／20U000135	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程之必修,晚間授課(Required course for Biomedical Engineering Program)
再生醫學(Regenerative medicine)／20U000132	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程之選修(Elective course for Biomedical Engineering Program)
專題研究(二)(Special topics (II))／20U000105	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	
資料結構(Data structure)／20U000189	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為人工智慧醫療學分學程必修課程(Required course for Artificial Intelligence in Medicine Program)

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			上 1	下 2	上 1	下 2	上 1	下 2	上 1	下 2		
醫學影像分析(Medical image analysis)／20U000196	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為生物醫學工程及人工智慧醫療學分學程選修課程(Elective course for Artificial Intelligence in Medicine Program &Biomedical Engineering Program)
醫學影像物理學(Physics of medical imaging)／20U000133	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程之選修(Elective course for Biomedical Engineering Program)
人工智慧與深度學習(Artificial intelligence and deep learning)／20U000186	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	同時為人工智慧學分學程必修課程(Required course for Artificial Intelligence in Medicine Program)
分子影像概論(Introduction to molecular imaging)／20U000169	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	同時為生醫工程學分學程之選修(Elective course for Biomedical Engineering Program)
核醫藥物學(Fundamentals of nuclear medicine)／20U000055	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
專題研究(三)(Special topics (III))／20U000118	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
輻射分子生物學(Radiation biology)／20U000056	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
醫病關係與職業倫理(Doctor-patient relationship & professional ethics)／20U000158	選(E)	2.0					2.0				系定選修(Departmental Elective Courses)	
放射治療劑量學(Dosimetry of radiation therapy)／20U000086	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
放射品質保證(Quality assurance in radiology)／20U000168	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	
前沿生醫影像技術與核子醫學(Frontiers of biomedical imaging and nuclear medicine)／20U000190	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	同時為生物醫學工程學分學程之選修(Elective course for Biomedical Engineering Program)
專題研究(四)(Special topics (IV))／20U000121	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
超音波實驗課(Practice for diagnostic medical sonography)／20U000160	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	
臨床醫學概論(Introduction to clinical medicine)／20U000050	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
醫用磁振學(Magnetic resonance in medicine)／20U000171	選(E)	1.0						1.0			系定選修(Departmental Elective Courses)	
放射器材學(Radiological equipment)／20U000143	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	限本校本系學生(Only limited to students of Department of BIRS)
近代物理學(Modern physics)／20U000061	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	限本校本系學生(Only limited to students of Department of BIRS)
骨質密度測定及紅外線掃描(Densitometry & infrared scan)／20U000082	選(E)	1.0								1.0	系定選修(Departmental Elective Courses)	限本校本系學生(Only limited to students of Department of BIRS)
輻射劑量學(Radiation dosimetry)／20U000081	選(E)	2.0								2.0	系定選修(Departmental Elective Courses)	限本校本系學生(Only limited to students of Department of BIRS)
合計 選修 總學分(Elective subtotal)		73.0	10.0	6.0	12.0	15.0	12.0	11.0		7.0		

校內注意事項

Note of CMU

生物醫學影像暨放射科學學系注意事項

Note of

單位主管簽章：