

「課程分流模組」填寫表【大學部專用】

學系名稱：醫學影像暨放射科學系

學術型與實務型課程模組之規劃

模組名稱	課程分類 (學分數)	學術型課程模組	實務型課程模組	備註
基礎課程	通識必修(10)	<ul style="list-style-type: none"> ● 國文(Chinese) (4) ● 英文閱讀(English Reading) (4) ● 英語聽講實習(English Listening and Oral Practice) (2) ● 電腦與資訊之應用(Application of Computer and Information Science) (0) ● 大學入門(Introduction to University) (0) ● 服務學習(Service Learning) (0) 		
	必修(53)	<ul style="list-style-type: none"> ● 普通化學(General Chemistry) (2) ● 普通生物學(一)(General Biology(I)) (2) ● 微積分(一)(Calculus(I)) (2) ● 普通物理學 (General Physics) (3) ● 普通物理學實驗 (General Physics Laboratory) (1) ● 醫學電子電路學 (Electrical Circuits and Electronics in Medicine) (3) ● 醫學影像暨放射科學系生涯規劃 (Life Planning in Department of Medical Imaging and Radiological Sciences) (1) ● 應用數學 (Applied Mathematics) (2) ● 醫學電子電路學實驗 (Laboratory of Electrical Circuits and Electronics in Medicine) (1) ● 放射生物學 (Radiobiology) (2) ● 放射診斷器材學 (Instrument of Diagnostic Radiology) (3) ● 醫學(專業)英文 (Medical (Professional) English) (2) ● 解剖學 (Anatomy) (3) ● 放射技術臨床見習 (Clerkship of Radiation Technology) (2) ● 生理學(B) (Physiology(B)) (4) ● 放射物理學 (Physics of Radiology) (7) ● 解剖學實驗 (Anatomy Laboratory) (2) ● 生物統計學 (Biostatistics) (2) ● 生理學實驗 (Physiology Laboratory) (1) ● 放射化學(含實驗) (Radiochemistry(Including Laboratory)) (2) ● 醫學影像處理暨儲傳系統(含實驗) (Medical Image Processing and Archiving System(Including Laboratory)) (2) ● 醫學影像原理 (Principle of Medical Imaging) (2) ● 病理學 (Pathology) (2) 		

	選修(35)	<ul style="list-style-type: none"> ● 國防政策 (Military Training) (4) ● 醫學倫理學 (Medical Ethics) (2) ● 普通生物學(二) (General Biology(II)) (2) ● 普通生物學實驗 (General Biology Laboratory) (1) ● 微積分(二) (Calculus(II)) (2) ● 分析化學(含實驗) (Analytic Chemistry(Including Laboratory)) (2) ● 普通化學實驗 (General Chemistry Laboratory) (1) ● 放射科學與技術學導論 (Introduction to Radiological Science and Technology) (1) ● 電腦程式設計 (Computer Programming) (2) ● 輻射的應用 (Application of Radiation) (2) ● 輕鬆學力學 (Easy to Learn Mechanics) (2) ● 血庫學 (Blood Banking) (2) ● 基礎醫用設備維修(含實驗) (2) ● 進階生物統計 (Advanced Biostatistics) (2) ● 進階應用數學 (Advanced Applied Mathematics) (2) ● 蛋白質體學 (含實驗) (Proteomics (Including Laboratory)) (2) ● 如何創業 (Entrepreneurial Management: How to Start up a New Company) (2) ● 生物科技與智慧財產權 (Biotechnology and Intellectual Property Rights) (2) 	
核心課程	必修(60)	<ul style="list-style-type: none"> ● 臨床醫學概論 (Synopsis of Clinical Medicine) (2) ● 超音波診斷技術學 (Technique of Ultrasonography) (1) ● 超音波診斷技術實驗 (Technique of Ultrasonography Laboratory) (1) ● 放射藥品學 (Radiopharmaceutical) (2) ● 放射治療器材學 (Instrument of Radiotherapy) (2) ● 核子醫學儀器學 (Instrument of Nuclear Medicine) (2) ● 磁振學 (Magnetic Resonance Imaging) (2) ● 放射線診斷技術 (Technique of Diagnostic Radiology) (4) ● 放射線診斷技術實驗 (Technique of Diagnostic Radiology Laboratory) (2) ● 放射線治療技術(含實驗) (Technique of Radiotherapy(Including Laboratory)) (3) ● 放射技術學研究方法 (Research Methods in Radiological Technology) (1) ● 核醫技術學 (Nuclear Medicine Technology) (3) ● 保健物理學 (Health Physics) (2) ● 放射線學概論 (Introduction to Radiology) (2) ● 放射免疫分析 (Radioimmunoassay) (1) ● 核子醫學技術品質管制 (含實驗) (Quality Control of Nuclear Medicine Technology(Including Laboratory)) (1) ● 診斷影像之品質管制(含實驗) (Quality Control of Diagnostic Image (Including Laboratory)) (2) ● 放射治療技術品質管制 (含實驗) (Quality Control 	

	<p>of Radiotherapy Technology(Including Laboratory)) (1)</p> <ul style="list-style-type: none"> ● 放射治療計畫 (Technique of Radiotherapy Planning) (1) ● 醫學影像暨放射科學系職涯規劃 (Career Planning in Department of Medical Imaging and Radiological Sciences) (1) ● 一般診斷技術實習(含牙科 X 光攝影) (General Diagnostic Technology Practice(including dental radiography)) (3) ● 超音波技術實習 (Practice of Ultrasonography) (1) ● 電腦斷層技術實習 (Technique of Computer Tomography Practice) (1) ● 特殊造影技術實習 (Technique of Specific Imaging Practice) (1) ● 磁振造影技術實習 (Technique of Magnetic Resonance Imaging Practice) (1) ● 心血管造影技術實習 (Technique of Cardiovascular Imaging Practice) (1) ● 核醫造影技術實習 (Technology of Nuclear Imaging Practice) (2) ● 放射線免疫暨核醫體外分析實習 (Radioimmunoassay and Practice of In-vitro Test in Nuclear Medicine) (1) ● 核醫藥物暨放射性同位素治療實習 (Radiopharmaceuticals and Radionuclide Therapeutic Practice) (1) ● 放射線劑量學實習 (Dose Densitometry Practice) (1) ● 模具製作暨模擬攝影實習 (Model Production and Simulator Practice) (1) ● 放射治療操作實習 (Technique of Radiotherapy Practice) (2) ● 放射線治療計劃實習 (Technique of Radiotherapy Planning Practice) (2) ● 輻射安全實習 (Practice of Radiation Safety) (2) ● 放射技術總論 (Synopsis of Radiation Technique) (4) 		
<p>選修(34)</p>	<ul style="list-style-type: none"> ● 專題研究與實務探討 (一) (Basic Topics in Research and Practice of Radiation Sciences(I)) (1) ● 專題研究與實務探討 (二) (Basic Topics in Research and Practice of Radiation Sciences(II)) (1) ● 放射技術學研究專題 (一) (Special Topics in Medical Technology Research(I)) (1) ● 放射技術學研究專題 (二) (Special Topics in Medical Technology Research(II)) (2) ● 放射科學研究專題 (Special Topics in Research of Radiation Sciences) (2) 	<ul style="list-style-type: none"> ● 專題研究與實務探討 (一) (Basic Topics in Research and Practice of Radiation Sciences(II)) (1) ● 專題研究與實務探討 (二) (Basic Topics in Research and Practice of Radiation Sciences(II)) (1) ● 創業實務 (Entrepreneurial Practice) (2) ● 生醫影像 (Biomedical Imaging) (2) ● 醫學工程概論 (Principles of Biomedical Engineering) (2) ● 醫學工程實驗 (Biomedical 	

		<ul style="list-style-type: none"> ● 核醫影像專題討論 (Special Topics in Nuclear Medicin) ● 書報討論 (Seminar) (2) 	<ul style="list-style-type: none"> Engineering Laboratory) (1) ● 牙科放射技術學 (Technique of Dental Radiograph) (2) ● 進階磁振造影技術學 (Advanced Magnetic Resonance Imaging Techniques) (2) ● 動態磁振造影 (Dynamic Magnetic Resonance Imaging) (2) ● 分子生物學概論 (Introduction to Molecular Biology) (2) ● 原子科學總論 (Synopsis of Atomic Science) (2) ● 功能性影像 (Functional Imaging) (2) ● 分子影像 (Molecular Imaging) (2) ● 生醫影像分析 (Analysis of Biomedical Images) (2) ● 生物資訊 (Bioinformatics) (2) 	
跨領域課程/學程	跨領域課程	(若無則可免填)	(若無則可免填)	
總結式課程	專題計畫、專題討論、論文、實習等	專題計畫、專題討論	臨床實習	
場域實習	場域名稱	老師實驗室	各醫學中心	
必修學分數		113	113	
最低選修學分數		6	6	

註：

1. 基礎課程之學術型課程與實務型課程可為相同課程。
2. 核心課程、跨領域課程/學程、總結式課程、場域實習等，在學術型課程與實務型課程不應完全相同，包括課程名稱、課程學分數、檢核方式等。
3. 倘若無跨領域課程/學程，則可免填。
4. 學術型與實務型選修、必修總學分數得相同，畢業總學分數應相同，且需符合公告之科目學分表的畢業條件。