

中山醫學大學

Chung Shan Medical University

114 學年度入學新生應修科目及學分表

Courses and Credits for Freshmen Admitted in the 114th Academic Year

醫學科技學院醫學檢驗暨生物技術學系碩士班

Master Program, Department of Medical Laboratory and Biotechnology, College of Medical Science and Technology

第一學年

1st Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必選修 Required Elective	合計學分 Credits Subtotal	第一學期 1 st Semester Credits	第二學期 2 nd Semester Credits	備註 Remarks
進階微生物及免疫學	Advanced Microbiology and Immunology	必修 Required	2	2	0	
檢驗醫學與生物技術研究法(一)	Research Method of Medical Laboratory and Biotechnology(I)	必修 Required	2	2	0	
醫學生物技術專題討論(一)	Seminar in Medical Biotechnology (I)	必修 Required	1	1	0	全英語授課 Taught in English
進階生物化學	Advanced Biochemistry	必修 Required	2	0	2	
醫學生物技術專題討論(二)	Seminar in Medical Biotechnology (II)	必修 Required	1	0	1	全英語授課 Taught in English
遺傳疾病分子診斷學	Molecular Diagnosis of Genetic Disease	選修 Elective	2	2	0	
進階細胞生物學	Advanced Cell Biology	選修 Elective	2	2	0	
疾病生化學	Biochemical disorders in human disease	選修 Elective	2	2	0	
生物能量醫學特論	Special Topics in Bioenergy and Biofield Medicine	選修 Elective	2	2	0	
腫瘤細胞病理學特論	Special Topics in Tumor Cytology	選修 Elective	2	2	0	
腫瘤訊息傳遞學	Tumor Signal Transduction	選修 Elective	2	2	0	
發育生物學專題討論(一)	Seminar in Developmental Biology (I)	選修 Elective	1	1	0	
分子遺傳學專題討論(一)	Seminar in Molecular Genetic (I)	選修 Elective	1	1	0	
分子醫學專題討論(一)	Seminar in Molecular Medicine (I)	選修 Elective	1	1	0	
生物技術學特論	Special Topics in Biotechnology	選修 Elective	2	0	2	
斑馬魚模式動物之應用	Model Animal: Application of Zebra Fish	選修 Elective	2	0	2	
幹細胞與再生醫學特論	Special Topics in Stem Cell and Regenerative Medicine	選修 Elective	2	0	2	全英語授課 Taught in English
疾病化學預防特論	Special Topics in Chemoprevention of Disease	選修 Elective	2	0	2	
另類醫學特論	Special Topics in Complementary and Alternative Medicine (CAM)	選修 Elective	2	0	2	

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腫瘤病理學特論	Special Topics in Tumor Pathology	選修 Elective	2	0	2	
檢驗醫學實務專業發展	Practical Development in Laboratory Medicine	選修 Elective	2	0	2	全英語授課 Taught in English
發育生物學專題討論(二)	Seminar in Developmental Biology (II)	選修 Elective	1	0	1	
分子遺傳學專題討論(二)	Seminar in Molecular Genetic (II)	選修 Elective	1	0	1	
分子醫學專題討論(二)	Seminar in Molecular Medicine (II)	選修 Elective	1	0	1	
外泌體學	Exosomology	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			8	5	3	

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說明 Instructions :

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1.	本所學生得選修本校其他相關研究所課程限 4 學分。 Students in this Master Program may take courses, at a maximum of 4 credits, provided by other relevant institute in CSMU.
2.	本系碩士班學生需修滿 24 學分，及通過碩士論文口試（6 學分）總共 30 學分，方得畢業。 To graduate from this Master program, students must accomplish courses of 24 credits and pass the thesis defense (6 credits) to make a total of 30 credits.