

中山醫學大學

Chung Shan Medical University

113 學年度入學新生應修科目及學分表

Courses and Credits for Freshmen Admitted in the 113th Academic Year

醫學院醫學系

School of Medicine, College of Medicine

第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	英文科目名稱 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
普通生物學	General Biology	必修 Required	2	2	0	
有機化學	Organic Chemistry	必修 Required	2	2	0	
程式語言	Programming Language	必修 Required	2	2	0	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center
應用化學	Applied Chemistry	必修 Required	2	2	0	
應用物理學	Applied Physics	必修 Required	2	2	0	
微積分	Calculus	必修 Required	1	1	0	
普通生物學實驗	General Biology Laboratory	必修 Required	1	1	0	
生物化學(一)	Biochemistry(I)	必修 Required	2	0	2	
分子細胞生物學	Molecular Cell Biology	必修 Required	2	0	2	
生物化學實驗	Biochemistry Laboratory	必修 Required	1	0	1	
醫學導論	Introduction to Clinical Medicine	必修 Required	1	0	1	

第 一 學 年

1stAcademic Year

科目名稱 Course Name in Chinese	英文科目名稱 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
醫學英文素養	Medical English Literacy	必修 Required	2	(2)	(2)	醫學人文課程 Humanistic Medicine 全英語授課 Taught in English 採分班上課:上 學期甲班,下學 期乙班 Classes are divided into groups: Group 甲 attends in the first semester, and Group 乙 attends in the second semester.
失智症全人照護概論	Introduction to Dementia Holistic Care	選修 Elective	2	2	0	
近代台灣西方醫療史---過去、 現在到未來	Modern Medical History in Taiwan---Past, Now and Future	選修 Elective	2	2	0	醫學人文課程 Humanistic Medicine
醫學台語文與常民文化	Medical Taiwanese Folk Culture	選修 Elective	2	2	0	醫學人文課程 Humanistic Medicine
我生命中最美好的事物	The Best Things in My Life	選修 Elective	2	2	0	醫學人文課程 Humanistic Medicine 全英語授課 Taught in English
老化醫學	Aging Medicine	選修 Elective	2	0	2	
醫用英文	English for Medical Professionals	選修 Elective	2	0	2	
老人照護服務	Care of the Elderly	選修 Elective	2	0	2	
大學社會責任-多元創新學習	USR- Creative Learning	選修 Elective	2	0	2	
生物醫學研究概論	Introduction of Biomedical Research	選修 Elective	2	0	2	
全人醫療照護的發展	Development of Whole Person Care	選修 Elective	2	0	2	醫學人文課程 Humanistic Medicine

第 一 學 年

1stAcademic Year

科目名稱 Course Name in Chinese	英文科目名稱 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
醫療社會學	Medical Sociology	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 醫學人文課程 Humanistic Medicine: 上學期乙班,下 學期甲班 Classes are divided into groups: Group 甲 attends in the first semester, and Group 乙 attends in the second semester.
多元文化與語文		必修 Required	2	(2)	(2)	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center
程式語言	Programming Language	必修 Required	2	2	0	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center
大學之道	Foundation of University Education	必修 Required	1	1	0	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center
服務學習	Service Learning	必修 Required	1	(1)	(1)	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center
體育	Physical Education	必修 Required	1	1	0	共同教育課程 體育中心開課 Common Education Courses Provided by Sports Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 體育中心開課 Common Education Courses Provided by Sports Center
必修學分合計			25	19	11	

第 二 學 年 2nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	必修 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
人類遺傳學	Human Genetics	必修 Required	2	2	0	
生物統計學	Biostatistics	必修 Required	2	2	0	
寄生蟲學	Parasitology	必修 Required	2	2	0	
生物化學(二)	Biochemistry(II)	必修 Required	2	2	0	
營養與生活管理	Nutrition and Life Management	必修 Required	2	2	0	
醫學資訊應用	Application of Medical Informatics	必修 Required	2	2	0	
寄生蟲學實驗	Parasitology Laboratory	必修 Required	1	1	0	
組織學	Histology	必修 Required	2	0	2	
普通心理學	General Psychology	必修 Required	2	0	2	
醫病溝通	Patient-Doctor Communication	必修 Required	2	0	2	醫學人文課程 Humanistic Medicine
流行病學	Epidemiology	必修 Required	2	0	2	
基礎微生物學	Basic Microbiology	必修 Required	2	0	2	
組織學實驗	Histology Laboratory	必修 Required	1	0	1	
胚胎學	Embryology	必修 Required	1	0	1	
微生物學實驗	Microbiology Laboratory	必修 Required	1	0	1	
專題研究	Independent Study	選修	2	2	0	
中醫概論	Introduction to Traditional Chinese Medicine	選修 Elective	2	2	0	必選課程 Mandatory Courses

第 二 學 年 2nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
基礎手術技巧教學	Basic Operative Skill	選修 Elective	2	2	0	
醫師科學家素養	Professionalism of Physician Scientist	選修 Elective	2	2	0	醫學人文課程 Humanistic Medicine
緊急照護	Emergency Care	選修 Elective	2	0	2	
醫學與美學概論	Introduction to Concept of Aesthetic Medicine	選修 Elective	2	0	2	
醫學哲學與倫理思辨	Medical Professionalism	選修 Elective	2	0	2	
細胞治療原理與應用	Theories and applications of cell therapy	選修 Elective	2	0	2	
體育	Physical Education	必修 Required	1	1	0	共同教育課程 體育中心開課 Common Education Courses Provided by Sports Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 體育中心開課 Common Education Courses Provided by Sports Center
必修學分合計			28	14	14	

第 三 學 年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course	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
基礎解剖學	Basic Course-Anatomy	必修 Required	6	4	2	
臨床倫理與法律	Medical Ethics and Law	必修 Required	2	2	0	醫學人文課程 Humanistic Medicine
解剖學實驗	Human Anatomy Laboratory	必修 Required	1	1	0	
病理學實驗	Pathology Laboratory	必修 Required	1	1	0	
生理學實驗	Physiology Laboratory	必修 Required	1	1	0	
藥理學實驗	Pharmacology Laboratory	必修 Required	1	1	0	
基礎生理學	Basic Course-Physiology	必修 Required	1	1	0	
基礎病理學	Basic Course-Pathology	必修 Required	1	1	0	
基礎藥理學	Basic Course-Pharmacology	必修 Required	1	1	0	
臨床致病機轉導論	Introduction to Pathophysiology	必修 Required	1	1	0	
神經科學模組	Neurosciences Module	必修 Required	7	0	7	
骨骼關節與肌肉學模組	Musculoskeletal Module	必修 Required	4	0	4	
大體解剖學實驗	Gross Anatomy Laboratory	必修 Required	3	0	3	
診斷：鎖定問題的方法	Diagnosis：Way to Lock the Problem	選修 Elective	2	2	0	
必修學分合計			30	14	16	

第 四 學 年

4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course	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
免疫、防禦與感染學模組	Immunity Defense and Infection Module	必修 Required	5	5	0	
心臟循環學模組	Cardiovascular Module	必修 Required	5	5	0	
呼吸科學模組	Respiration Module	必修 Required	4	4	0	
內分泌與新陳代謝學模組	Endocrine Metabolism Module	必修 Required	4	4	0	
消化科學模組	Gastrointestinal Module	必修 Required	5	0	5	
腎臟泌尿學模組	Nephrology Urology Module	必修 Required	4	0	4	
血液與腫瘤學模組	Hematology and Oncology Module	必修 Required	4	0	4	
生殖學模組	Reproductive Module	必修 Required	3	0	3	
家庭與社區醫學模組	Family and Community Medicine Module	必修 Required	2	0	2	
分子生物化學特論	Special Topics in Molecular Biochemistry	選修 Elective	2	0	2	
必修學分合計			36	18	18	

第 五 學 年

5th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course	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
內科學核心實習	Core Clerkship in Internal Medicine	必修 Required	10	4	6	
外科學核心實習	Core Clerkship in Surgery	必修 Required	10	4	6	
婦產科學核心實習	Core Clerkship in Obstetrics and Gynecology	必修 Required	4	4	0	
急診醫學	Emergency Medicine	必修 Required	1	1	0	臨床醫學預備課程(一) Preparatory Courses for Clinical Medicine(一)
醫師、病人與社會(一)	Patient Physician and Society (I)	必修 Required	1	1	0	醫學人文課程 Humanistic Medicine
臨床醫學導論	Practice to Clinical Medicine	必修 Required	1	1	0	臨床醫學預備課程(二) Preparatory Courses for Clinical Medicine(二)
小兒科學核心實習	Core Clerkship in Pediatrics	必修 Required	4	0	4	
醫師、病人與社會(二)	Patient Physician and Society (II)	必修 Required	1	0	1	醫學人文課程 Humanistic Medicine
醫療體系行政實務	Systems-Based Practice	選修 Elective	1	1	0	必選課程 Mandatory Courses
醫事案例分析	Medicine and Law Case Study	選修 Elective	1	1	0	必選課程 Mandatory Courses
臨床醫學影像學	Clinical Medical Imaging	選修 Elective	1	1	0	
兒童醫學	Pediatric Medicine	選修 Elective	1	1	0	必選課程 Mandatory Courses
家庭醫學科學臨床實習	Clerkship in Clinical Family and Community Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
急診醫學科學臨床實習	Clerkship in Emergency Medicine	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5

<div>第 五 學 年</div> <div>5th Academic Year</div>						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
中西整合醫療科學臨床實習	Clerkship in Integrated Chinese and Western Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
社區醫學臨床實習	Clerkship in Community Medicine	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5
安寧療護臨床實習	Clerkship in Hospice Palliative Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
內科臨床實習	Clerkship in Internal Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
外科臨床實習	Clerkship in Surgery	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
醫學影像科學臨床實習	Clerkship in Medical Imaging	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
病理科學臨床實習	Clerkship in Pathology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
麻醉科學臨床實習	Clerkship in Anesthesiology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
皮膚科學臨床實習	Clerkship in Dermatology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only

第 五 學 年 5th Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
耳鼻喉科學臨床實習	Clerkship in Otolaryngology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
放射腫瘤科學臨床實習	Clerkship in Radiation Oncology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
放射線科學臨床實習	Clerkship in Radiology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
復健科學臨床實習	Clerkship in Rehabilitation Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
眼科學臨床實習	Clerkship in Ophthalmology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
核子醫學科學臨床實習	Clerkship in Nuclear Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
精神科學臨床實習	Clerkship in Psychiatry	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5
必修學分合計			32	15	17	

第 六 學 年 6th Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
內科學臨床實習	Clerkship in Internal Medical	必修 Required	10	4	6	
外科學臨床實習	Clerkship in Surgery	必修 Required	10	4	6	
婦產科學臨床實習	Clerkship in Obstetrics and Gynecology	必修 Required	4	4	0	
小兒科學臨床實習	Clerkship in Pediatrics	必修 Required	4	0	4	
家庭醫學科學臨床實習	Clerkship in Clinical Family and Community Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一學期選修 Elective in either the 5th or 6th year, one semester only 必選課程 Mandatory Courses 說明五 Explanation5
急診醫學科學臨床實習	Clerkship in Emergency Medicine	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5
骨科學臨床實習	Clerkship in Orthopedics	選修 Elective	2	(2)	(2)	6 年級擇一學期選修 Elective in 6th year, one semester only
泌尿科學臨床實習	Clerkship in Urology	選修 Elective	2	(2)	(2)	6 年級擇一學期選修 Elective in 6th year, one semester only
神經內科學臨床實習	Clerkship in Neurology	選修 Elective	2	(2)	(2)	6 年級擇一學期選修 Elective in 6th year, one semester only
中西整合醫療科學臨床實習	Clerkship in Integrated Chinese and Western Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一學期選修 Elective in either the 5th or 6th year, one semester only
社區醫學臨床實習	Clerkship in Community Medicine	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5

<div>第 六 學 年</div> <div>6th Academic Year</div>						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
安寧療護臨床實習	Clerkship in Hospice Palliative Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
內科臨床實習	Clerkship in Internal Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
外科臨床實習	Clerkship in Surgery	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
醫學影像科學臨床實習	Clerkship in Medical Imaging	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
病理科學臨床實習	Clerkship in Pathology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
麻醉科學臨床實習	Clerkship in Anesthesiology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
皮膚科學臨床實習	Clerkship in Dermatology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
耳鼻喉科學臨床實習	Clerkship in Otolaryngology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
放射腫瘤科學臨床實習	Clerkship in Radiation Oncology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only

第 六 學 年 6th Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
放射線科學臨床實習	Clerkship in Radiology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
復健科學臨床實習	Clerkship in Rehabilitation Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
眼科學臨床實習	Clerkship in Ophthalmology	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
核子醫學科學臨床實習	Clerkship in Nuclear Medicine	選修 Elective	2	(2)	(2)	5 或 6 年級擇一 學期選修 Elective in either the 5th or 6th year, one semester only
精神科學臨床實習	Clerkship in Psychiatry	選修 Elective	2	(2)	(2)	必選課程 Mandatory Courses 說明五 Explanation5
國際衛生醫療(一)	Healthcare Professional International Exchange Program(I)	選修 Elective	4	(4)	(4)	6 上或 6 下擇一 學期選修 Elective in the 6th year, one semester only
國際衛生醫療(二)	Healthcare Professional International Exchange Program(II)	選修 Elective	6	(6)	(6)	6 上或 6 下擇一 學期選修 Elective in the 6th year, one semester only
國際衛生醫療(三)	Healthcare Professional International Exchange Program(III)	選修 Elective	8	(8)	(8)	6 上或 6 下擇一 學期選修 Elective in the 6th year, one semester only
自選臨床實習(一)	Elective Clinical Clerkship(I)	選修 Elective	4	(4)	(4)	6 上或 6 下擇一 學期選修 Elective in the 6th year, one semester only
自選臨床實習(二)	Elective Clinical Clerkship(II)	選修 Elective	8	(8)	(8)	6 上或 6 下擇一 學期選修 Elective in the 6th year, one semester only
必修學分合計			28	12	16	

6th Academic Year

[illegible]

第 六 學 年						
6th Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course	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
<p>五、第五、六學年必選修實習課程共 6 學分，學生務必選修並視實際選修之學期選課。</p> <p>(一)「社區醫學臨床實習」或「家庭醫學科學臨床實習」課程二擇一，2 學分。</p> <p>(二)「精神科學臨床實習」或「安寧療護臨床實習」課程二擇一，2 學分。安寧療護臨床實習需於本校附醫選修。</p> <p>(三)「急診醫學科學臨床實習」2 學分。</p> <p>In the fifth and sixth academic years, students are required to complete a total of 6 credits of mandatory internship courses. The specific courses to be taken each semester will depend on actual enrollment.</p> <p>Students must choose one of the following 2-credit courses: "Clerkship in Community Medicine" or "Clerkship in Clinical Family and Community Medicine". You must also choose between "Clerkship in Psychiatry" or "Clerkship in Hospice Palliative Medicine", with the latter needing to be completed at the affiliated hospital. Additionally, students must complete the "Clerkship in Emergency Medicine" for 2 credits.</p> <p>六、第五、六學年之臨床科實習選修(含必選修)課程總計須至少修滿 28 學分。</p> <p>In the fifth and sixth academic years, students need to accumulate a total of at least 28 credits from clinical internship courses, including both required and elective courses.</p> <p>七、最低畢業總學分為 234 學分。</p> <p>The minimum total credits required for graduation are 234 credits.</p> <p>八、跨域微學程認列之科目於下列情況不可重複認列學分數：1、其他跨域微學程之科目。2、學生主系之科目(包含必修、選修、專業選修)及通識課程。</p> <p>Courses recognized in the interdisciplinary micro-study program cannot be recognized as credits repeatedly under the following circumstances: 1. Courses in other interdisciplinary micro-study programs. 2. Courses of the student's major (including compulsory, elective, and professional electives) and general courses.</p> <p>◎備註：最低畢業學分=必修 170 學分+通識必修 20 學分+體育必修 4 學分+(必)選修 40 學分「內含：中醫概論 1 學分、醫療社會學 2 學分、醫療體系行政實務 1 學分、醫事案例分析 1 學分、兒童醫學 1 學分、第五、六學年之臨床科實習選修課程總計須至少修滿 28 學分+6 學分(雙主修、輔系、跨域學程或跨域微學程擇一修習)」。</p> <p>Notes: The minimum graduation credits include 170 credits of required courses, 20 credits of general education required courses, 4 credits of required physical education courses, and 40 credits of elective courses. These electives must include 1 credit of Introduction to Traditional Chinese Medicine, 2 credits of Medical Sociology, 1 credit of Systems-Based Practice, 1 credit of Medicine and Law Case Study, 1 credit of Pediatric Medicine, at least 28 credits of clinical internship courses in the fifth and sixth academic years, and 6 credits from a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program</p>						