

113

113 學年度入學新生應修科目及學分表 大學部



教務處註冊課務組

中山醫學大學

113

目 錄

113 年 4 月 23 日經 112 學年度第 2 學期第 1 次教學暨課程委員會會議通過

113 年 6 月 6 日經 112 學年度第 2 學期第 2 次教學暨課程委員會會議修正通過

113 年 9 月 5 日經 113 學年度第 1 學期第 1 次教學暨課程委員會會議修正通過

醫學院醫學系.....	3
School of Medicine, College of Medicine.....	3
醫學院護理學系.....	18
Department of Nursing, College of Medicine	18
醫學院醫學社會暨社會工作學系.....	27
Department of Medical Sociology and Social Work, College of Medicine.....	27
醫學院心理學系.....	33
Department of Psychology, College of Medicine.....	33
口腔醫學院牙醫學系.....	40
School of Dentistry, College of Oral Medicine	40
醫學科技學院.....	50
College of Medical Science and Technology	50
醫學科技學院醫學檢驗暨生物技術學系	52
Department of Medical Laboratory and Biotechnology, College of Medical Science and Technology	52
醫學科技學院物理治療學系.....	58
Department of Physical Therapy,College of Medicine Science and Technology	58
醫學科技學院職能治療學系.....	65
Department of Occupational Therapy, College of Medical Science and Technology.....	65
醫學科技學院語言治療與聽力學系語言治療組	73
Division of Speech Language Pathology, Department of Speech Language Pathology and Audiology, College of Medical Science and Technology.....	73
醫學科技學院語言治療與聽力學系聽力組	80
Division of Audiology, Department of Speech Language Pathology and Audiology, College of Medical Science and Technology	80
醫學科技學院生物醫學科學學系.....	86
Department of Biomedical Sciences, College of Medical Science and Technology	86
醫學科技學院視光學系.....	93
Department of Optometry, College of Medical Science and Technology.....	93
醫學科技學院視光學系二年制在職專班	98
Department of Optometry, Two-year Program College of Medical Science and Technology	98
醫學科技學院醫學影像暨放射科學系.....	101
Department of Medical Imaging and Radiological Sciences, College of Medical Science and Technology.....	101

健康管理學院.....	108
College of Health Care and Management	108
健康管理學院營養學系.....	110
Department of Nutrition, College of Health Care and Management	110
健康管理學院公共衛生學系.....	117
Department of Public Health, College of Health Care and Management	117
健康管理學院醫療產業科技管理學系.....	126
Department of Health Policy and Management, College of Health Care and Management.....	126
健康管理學院職業安全衛生學系.....	132
Department of Occupational Safety and Health, College of Health Care and Management	132
健康管理學院醫學應用化學系.....	139
Department of Medical Applied Chemistry, College of Health Care and Management	139
健康管理學院健康產業科技管理學系.....	147
Department of Health Industry Technology Management, College of Health Care and Management.....	147
健康管理學院醫學資訊學系.....	154
Department of Medical Informatics, College of Health Care and Management	154
健康管理學院應用外國語言學系.....	160
Department of Applied Foreign Languages, College of Health Care and Management.....	160
【通識課程選課須知】	166
【Instructions for Selecting General Education Courses】	166
【體育課程選課須知】	189
【Instructions for Selecting Physical Education Courses】	189

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	
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	
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.

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
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	
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
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.
大學社會責任-多元創新學習	USR- Creative Learning	選修 Elective	2	0	2	
必修學分合計			18			

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
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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
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

第二學年

2ndAcademic 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	

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
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 Elective	2	2	0	
中醫概論	Introduction to Traditional Chinese Medicine	選修 Elective	2	2	0	必選課程 Mandatory Courses
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	Philosophy of Medicine and Ethical Contemplation	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	
必修學分合計			26	13	13	

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
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

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	

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
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	

第五學年

5th 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
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(-)
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 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
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

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
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 必選課程 Mandatory Courses 說明五 Explanation5
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

第五學年

5th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course	必修 Required	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)	必修課程 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	必修 Required	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	

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
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
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 必選課程 Mandatory Courses 說明五 Explanation5
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

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
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
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

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
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	

最低畢業學分數 234 學分，必修 170 學分，通識 20 學分，體育 4 學分，選修 40 學分

Minimum graduation credits:234 credits, compulsory 170 credits, general education 20 credits, physical education 4 credits, elective 40 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits. They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain. The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."
- 學生須於二年級上學期結束前繳交相當全民英檢中高級初試通過之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試之成績證明文件至系上登錄，取得合於「英文能力」畢業資格，始得畢業。

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>Students must submit proof of passing an external official English proficiency test equivalent to the High-Intermediate level of the General English Proficiency Test (GEPT) or the CEPT English proficiency test administered by Chung Shan Medical University (CSMU) to their department for registration by the end of the first semester of their second year. Only after meeting this "English proficiency" graduation requirement will they be eligible to graduate.</p>						
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6.	<p>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>					
7.	<p>最低畢業總學分為 234 學分。</p> <p>The minimum total credits required for graduation are 234 credits</p>					
8.	<p>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</p>					

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
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						

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

醫學院護理學系

Department of Nursing, College of Medicine

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
解剖學	Human Anatomy	必修 Required	2	2	0	
普通心理學	General Psychology	必修 Required	2	2	0	
解剖學實驗	Human Anatomy Laboratory	必修 Required	1	1	0	
生物化學	Biochemistry	必修 Required	2	0	2	
生理學	Physiology	必修 Required	2	0	2	
護理學導論	Introduction to Nursing	必修 Required	2	0	2	
生理學實驗	Physiology Laboratory	必修 Required	1	0	1	
生涯發展與規劃	Career Development and Planning	選修 Elective	2	2	0	
有機化學	Organic Chemistry	選修 Elective	2	2	0	
傳統醫學與護理	Traditional Medicine and Nursing	選修 Elective	2	2	0	
普通生物學(一)	General Biology (I)	選修 Elective	2	2	0	
普通生物學實驗	General Biology Laboratory	選修 Elective	1	1	0	
衛生教育與實務(一)	Health Education and Practice (I)	選修 Elective	1	1	0	全英語授課 Taught in English
國際健康議題微學分	Global Health Issue Micro-credential	選修 Elective	1	1	0	
醫護學術英語寫作微學分	Academic Writing for Health Professionals Micro-credential	選修 Elective	1	0	1	
醫護英文	Medical-nursing English	選修 Elective	2	0	2	
普通生物學(二)	General Biology (II)	選修 Elective	2	0	2	
咖啡學與健康	Coffee & Health	選修 Elective	2	0	2	全英語授課 Taught in English
智慧與創新	Intelligence and Innovation	選修 Elective	2	0	2	

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
衛生教育與實務(二)	Health Education and Practice (II)	選修 Elective	1	0	1	全英語授課 Taught in English
必修學分合計 Required Credits Subtotal			12	5	7	
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

第二學年

2nd 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
病理學	Pathology	必修 Required	2	2	0	
微生物學及免疫學	Microbiology & Immunology	必修 Required	2	2	0	
基本護理學	Fundamentals of Nursing	必修 Required	2	2	0	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
基本護理學實驗	Fundamental Nursing Laboratory	必修 Required	2	2	0	
人類發展學	Human Development	必修 Required	2	0	2	
身體檢查與評估	Physical Examination and Assessment	必修 Required	2	0	2	
藥理學	Pharmacology	必修 Required	2	0	2	
人類發展學實驗	Human Development Laboratory	必修 Required	1	0	1	
基本護理學實習	Practicum in Fundamentals of Nursing	必修 Required	1	0	1	
身體檢查與評估實驗	Physical Examination and Assessment Laboratory	必修 Required	1	0	1	
文獻導讀	Introduction to Scientific Literature Reading	選修 Elective	2	2	0	
寄生蟲學	Parasitology	選修 Elective	2	2	0	
創意衛教法	Creative Health Education	選修 Elective	2	2	0	
高齡智慧居家設計	Smart home Design for the Elderly	選修 Elective	2	2	0	
微生物學及免疫學實驗	Microbiology & Immunology Laboratory	選修 Elective	1	1	0	
病理學實驗	Pathology Laboratory	選修 Elective	1	1	0	
寄生蟲學實驗	Parasitology Laboratory	選修 Elective	1	1	0	
長期照護	Long-term Care	選修 Elective	2	0	2	
健康促進	Health Promotion	選修 Elective	2	0	2	
護理與文化	Transcultural Nursing	選修 Elective	2	0	2	
疾病營養學	Therapeutic Nutrition	選修 Elective	2	0	2	
方劑學	Prescriptions of Traditional Chinese Medicine	選修 Elective	2	0	2	
老人健康體驗實習(一)	Practicum in Geriatric Care (I)	選修 Elective	2	0	2	
藥理學實驗	Pharmacology Laboratory	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			17	8	9	

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
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第二學年 2nd 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
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

第三學年 3rd 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
成人內外科護理學(一)	Adult Medical-surgical Nursing(I)	必修 Required	3	3	0	
生物統計學	Biostatistics	必修 Required	2	2	0	
成人內外科護理學(二)	Adult Medical-surgical Nursing(II)	必修 Required	3	0	3	
成人內外科護理學實習(一)	Practicum in Adult Medical-surgical Nursing(I)	必修 Required	3	0	3	
兒科護理學實習	Practicum in Pediatric Nursing	必修 Required	3	0	3	甲班選課 Class A
婦嬰護理學實習	Practicum in Maternal-newborn Nursing	必修 Required	3	0	3	甲班選課 Class A
社區衛生護理學實習	Practicum in Community Health Nursing	必修 Required	3	0	3	乙班選課 Class B
精神衛生護理學實習	Practicum in Psychiatric Mental Health Nursing	必修 Required	3	0	3	乙班選課 Class B
護理學技術與實驗	Nursing Skills and Laboratory	必修 Required	1	0	1	
兒科護理學	Pediatric Nursing	必修 Required	3	(3)	(3)	甲班上學期選課 乙班下學期選課 Class A selects their course in the first semester, and Class B in the second
社區衛生護理學	Community Health Nursing	必修 Required	3	(3)	(3)	乙班上學期選課 甲班下學期選課 Class B selects their course in the first semester, and Class A in the second

第三學年

3rd 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
精神衛生護理學	Psychiatric Mental Health Nursing	必修 Required	3	(3)	(3)	乙班上學期選課 甲班下學期選課 Class B selects their course in the first semester, and Class A in the second
婦嬰護理學	Maternal-Newborn Nursing	必修 Required	3	(3)	(3)	甲班上學期選課 乙班下學期選課 Class A selects their course in the first semester, and Class B in the second
遺傳諮詢	Genetic Counseling	選修 Elective	2	2	0	
安寧與緩和療護學	Hospice and Palliative Nursing	選修 Elective	2	2	0	
護理資訊	Introduction of Nursing Informatics	選修 Elective	2	2	0	
人類性學	Human Sexuality	選修 Elective	2	2	0	
復健護理學	Rehabilitation Nursing	選修 Elective	2	2	0	
老人護理學	Gerontological Nursing	選修 Elective	2	2	0	
專業寫作技巧	Writing Skills in Nursing	選修 Elective	2	2	0	
老人健康體驗實習(二)	Practicum in Geriatric Care (II)	選修 Elective	2	2	0	
手術全期護理(含實驗)	Nursing of the Patient in Surgery	選修 Elective	2	2	0	
新生兒發展性照護	Developmental Care	選修 Elective	2	2	0	
護理過程	Nursing Process	選修 Elective	2	2	0	
必修學分合計 Required Credits Subtotal			30			

第 三 學 年

3rd 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
<p>備註：護理學系選課須知：</p> <p>一、第三學年護理學系專業必修課程分甲、乙兩班選課，不得跨班選課。</p> <p>二、(1) 甲班上學期必修學分共計 11 學分，必修課程為：成人內外科護理學(一)、生物統計學、兒科護理學、婦嬰護理學。(2) 乙班上學期必修學分共計 11 學分，必修課程為：成人內外科護理學(一)、生物統計學、社區衛生護理學、精神衛生護理學。</p> <p>三、(1)甲班下學期必修學分共計 19 學分，必修課程為：成人內外科護理學(二)、成人內外科護理學實習(一)、社區衛生護理學、精神衛生護理學、兒科護理學實習、婦嬰護理學實習、護理學技術與實驗。</p> <p>(2)乙班下學期必修學分共計 19 學分，必修課程為：成人內外科護理學(二)、成人內外科護理學實習(一)、兒科護理學、婦嬰護理學、社區衛生護理學實習、精神衛生護理學實習、護理學技術與實驗。</p> <p>Guidelines for Course Registration in the Nursing Department:</p> <p>1. During the third academic year, the Nursing Department offers professional required courses categorized into Class A and Class B. Please note that students cannot register for courses from both classes at the same time.</p> <p>2. (1) Class A requires 11 credits in the first semester, covering Adult Medical-surgical Nursing (I), Biostatistics, Pediatric Nursing, and Maternal-Newborn Nursing.</p> <p>(2) Class B also requires 11 credits, including Adult Medical-surgical Nursing (I), Biostatistics, Community Health Nursing, and Psychiatric Mental Health Nursing.</p> <p>3. (1) In the second semester, Class A requires 19 credits, including Adult Medical-surgical Nursing (II), Practicum in Adult Medical-surgical Nursing (I), Community Health Nursing, Psychiatric Mental Health Nursing, Practicum in Pediatric Nursing, Practicum in Maternal-newborn Nursing, and Nursing Skills and Laboratory.</p> <p>(2) Class B also requires 19 credits, comprising Adult Medical-surgical Nursing (II), Practicum in Adult Medical-surgical Nursing (I), Pediatric Nursing, Maternal-Newborn Nursing, Practicum in Community Health Nursing, Practicum in Psychiatric Mental Health Nursing, and Nursing Skills and Laboratory.</p>						

第 四 學 年

4th 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
社區衛生護理學實習	Practicum in Community Health Nursing	必修 Required	3	3	0	甲班選課 Class A
精神衛生護理學實習	Practicum in Psychiatric Mental Health Nursing	必修 Required	3	3	0	甲班選課 Class A
婦嬰護理學實習	Practicum in Maternal-newborn Nursing	必修 Required	3	3	0	乙班選課 Class B
兒科護理學實習	Practicum in Pediatric Nursing	必修 Required	3	3	0	乙班選課 Class B
成人內外科護理學實習(二)	Practicum in Medical-surgical Nursing (II)	必修 Required	3	3	0	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
護理研究概論	Introduction to Nursing Research	必修 Required	2	2	0	
護理行政概論	Introduction to Nursing Administration	必修 Required	2	2	0	
綜合臨床護理學實習	Practicum in Synopsis of Comprehensive Nursing Practice	必修 Required	4	0	4	
護理行政概論實習	Practicum in Nursing Administration	必修 Required	2	0	2	
護理倫理與法律	Nursing Ethics and Nurses Act	必修 Required	2	0	2	
重症護理	Critical Care Nursing	選修 Elective	2	2	0	
急症照護	Emergency Nursing	選修 Elective	2	2	0	
兒科急重症照護	Pediatric Intensive Care Nursing	選修 Elective	2	2	0	
人工智慧與機器學習導論與應用	Introduction to Artificial Intelligence and Machine Learning	選修 Elective	2	2	0	
護理總論(一)	Comprehensive Review of Nursing (I)	選修 Elective	2	2	0	
護理專業問題研討	Seminar in Nursing Professional Issues	選修 Elective	2	0	2	
國際健康議題	Global Health Issues	選修 Elective	2	0	2	
護理總論(二)	Comprehensive Review of Nursing (II)	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			21			
<p>最低畢業學分數 128 學分，必修 80 學分，通識 20 學分，體育 4 學分，選修 24 學分</p> <p>Minimum graduation credits: 128 credits, compulsory 80 credits, general education 20 credits, physical education 4 credits, elective 24 credits</p>						
說明 Instructions :						

第 四 學 年

4th 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
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					

第 四 學 年

4th 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
5.	<p>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>					

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

醫學院醫學社會暨社會工作學系

Department of Medical Sociology and Social Work, College of Medicine

第一學年 1st Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
社會統計	Social Statistics	必修 Required	6	3	3	
心理學	Psychology	必修 Required	3	3	0	
社會工作概論	Introduction to Social Work	必修 Required	3	3	0	實習資格 Practicum qualifications
社會學	Sociology	必修 Required	4	2	2	實習資格 Practicum qualifications
人類行為與社會環境	Human Behavior in Social Environment	必修 Required	3	0	3	
社會福利概論	Introduction to Social Welfare	必修 Required	3	0	3	
法學緒論	Introduction to Law	選修 Elective	2	2	0	
醫療與社會	Medicine and Society	選修 Elective	2	2	0	
醫療照護概論	Introduction to Medical Care	選修 Elective	2	2	0	
志願服務與志工管理	Voluntary Service and Volunteer Management	選修 Elective	2	2	0	
婚姻與家庭	Marriage and Family	選修 Elective	2	0	2	
社會問題	Social Problem	選修 Elective	2	0	2	
文化社會學	Cultural Sociology	選修 Elective	2	0	2	
性別與社會	Gender and Society	選修 Elective	2	0	2	
社會照顧微學分	Social Care Micro-credential	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			22	11	11	

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
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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

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
社會個案工作	Social Casework	必修 Required	3	3	0	實習資格 Practicum qualifications
社會團體工作	Social Group Work	必修 Required	3	3	0	實習資格 Practicum qualifications
醫療社會學	Medical Sociology	必修 Required	4	2	2	
社會研究法	Research Method of Society	必修 Required	4	2	2	
社會心理學	Social Psychology	必修 Required	3	0	3	
醫療社會工作	Medical Social Work	必修 Required	3	0	3	
組織行為	Organizational Behavior	必修 Required	2	0	2	
醫療與文化	Medicine and Culture	選修 Elective	2	2	0	
醫療福利政策	Health Policy and Welfare	選修 Elective	2	2	0	
老人福利	Welfare for the Aged	選修 Elective	2	2	0	
兒童及青少年福利	Youth and Child Welfare	選修 Elective	2	2	0	
會談與助人技巧	Counseling and Helping Skills	選修 Elective	2	2	0	

第二學年

2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
司法社會工作	Judicial Social Work	選修 Elective	2	2	0	
醫事法規與醫療權利	Medical Law and Patient's Right	選修 Elective	2	0	2	
社會保險	Social Insurance	選修 Elective	2	0	2	
學校社會工作	School Social Work	選修 Elective	2	0	2	
身心障礙者福利	Welfare and Social Services for the Disabled	選修 Elective	2	0	2	
家庭暴力與保護	Family Violence and Protection Service	選修 Elective	2	0	2	
國際社會工作	International Social Work	選修 Elective	2	0	2	全英語授課 Taught in English
家事事件與社會工作	Family Affairs and Social work	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			22	10	12	

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

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
方案設計與評估	Program Design and Evaluation	必修 Required	3	3	0	
社會工作管理	Social Work Management	必修 Required	3	3	0	
社會學理論	Theory of Sociology	必修 Required	3	3	0	
社區組織與發展	Community Organization and Development	必修 Required	3	3	0	
社會福利行政	Social Welfare Administration	必修 Required	3	0	3	

第三學年
3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
經濟社會學	Economic Sociology	必修 Required	3	0	3	
質性研究	Qualitative Research	必修 Required	2	0	2	
醫療制度比較研究	Research on Comparative Health System	選修 Elective	2	2	0	
婦女福利	Women's Welfare	選修 Elective	2	2	0	
心理衛生與精神醫療社會工作	Psychiatric Social Work	選修 Elective	2	2	0	
病友組織與互助	Patient Organization and Mutual Help	選修 Elective	2	2	0	
人權與社會工作	Human Rights and Social Work	選修 Elective	2	2	0	
醫病關係與溝通	Patient-doctor Interaction	選修 Elective	2	0	2	
健康照護系統	Health Care System	選修 Elective	2	0	2	
團體治療	Group Therapy	選修 Elective	2	0	2	
社會流行病學	Social Epidemiology	選修 Elective	2	0	2	全英語授課 Taught in English
老年社會學	Social Gerontology	選修 Elective	2	0	2	
當代社會學理論	Theory of Contemporary Sociology	選修 Elective	2	0	2	
社會醫療與倫理	Social Medicine and Ethics	選修 Elective	2	0	2	
安寧與緩和照護社會工作	Social Work in Hospice and Palliative Care	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			20	12	8	

第四學年
4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
社會政策與社會立法	Social Policy and Social Legislation	必修 Required	3	3	0	
社會工作實習(一)	Practicum in Social Work (I)	必修 Required	3	3	0	
社會工作實習(二)	Practicum in Social Work (II)	必修 Required	2	0	2	
社會工作倫理	Social Work Ethics	必修 Required	2	0	2	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
社會工作理論	Theory of Social Work	選修 Elective	2	0	2	
政治社會學	Political Sociology	選修 Elective	2	0	2	
死亡與臨終關懷	Death and Dying Care	選修 Elective	2	0	2	
長照社會工作臨床實務	Long-term Care and Social Work Practice	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			10	6	4	

最低畢業學分數 128 學分，必修 74 學分，通識 20 學分，體育 4 學分，選修 30 學分

Minimum graduation credits: 128credits, compulsory 74 credits, general education 20 credits, physical education 4 credits, elective 30 credits

1. 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。
- The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:
- Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."
- Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.
- The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."

第四學年

4th Academic 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
2.	<p>學生應於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6.	<p>選修 30 學分其中內含本系專業選修課程至少須修滿 20 學分。</p> <p>Take 30 credits of electives, including at least 20 credits of elective courses for majors in this department.</p>					

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

醫學院心理學系

Department of Psychology, College of Medicine

第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
普通心理學(一)	General Psychology(I)	必修 Required	3	3	0	
心理與教育統計學(一)	Statistics in Psychology and Education(I)	必修 Required	3	3	0	
普通心理學(二)	General Psychology(II)	必修 Required	3	0	3	
心理與教育統計學(二)	Statistics in Psychology and Education(II)	必修 Required	3	0	3	
生理學	Physiology	必修 Required	2	0	2	
心理學研究法(一)	Research Method of Psychology(I)	必修 Required	2	0	2	
腦傷與行為	Brain Damage and Behavior	選修 Elective	2	2	0	專業選修 Professional Electives
性別與心理健康	Gender and Mental Health	選修 Elective	2	2	0	專業選修 Professional Electives
心理學與職涯規畫	Psychology and Career Planning	選修 Elective	2	2	0	專業選修 Professional Electives
成癮藥物導論	Introduction to Drug Abuse	選修 Elective	2	0	2	專業選修 Professional Electives
輔導原理	Principle of Guidance	選修 Elective	2	0	2	專業選修 Professional Electives
統計軟體實務	Statistical Software	選修 Elective	2	0	2	專業選修 Professional Electives
必修學分合計 Required Credits Subtotal			16	6	10	

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
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第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
程式語言	Programming Language	必修 Required	2	0	2	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

第二學年

2ndAcademic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必/選 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
發展心理學	Developmental Psychology	必修 Required	3	3	0	
心理測驗學	Psychological Testing	必修 Required	3	3	0	
人格心理學	Personality Psychology	必修 Required	3	3	0	
知覺心理學	Perceptual Psychology	必修 Required	3	3	0	
※心理學研究法(二)	Research Method of Psychology(II)	必修 Required	2	2	0	
認知心理學	Cognitive Psychology	必修 Required	3	0	3	
社會心理學	Social Psychology	必修 Required	3	0	3	
※諮商理論與技術	Theory and Practice of Counseling	必修 Required	3	0	3	

第二學年
2nd Academic 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
認知知覺心理學實驗	Cognitive and Perceptual Psychology Laboratory	必修 Required	2	0	2	
心理測驗實務	Practice in Psychological Testing	必修 Required	1	0	1	
心理衛生	Mental Health	選修 Elective	2	2	0	專業選修 Professional Electives
普通社會學	General Sociology	選修 Elective	2	2	0	專業選修 Professional Electives
專題研究(一)	Independent Study(I)	選修 Elective	2	2	0	專業選修 Professional Electives
輔導實務	Practice in Guidance	選修 Elective	2	2	0	專業選修 Professional Electives
專題研究(二)	Independent Study (II)	選修 Elective	2	0	2	專業選修 Professional Electives
※測驗與統計進階	Advanced Testing and Statistics in Psychology	選修 Elective	2	0	2	專業選修 Professional Electives
創傷心理學	Trauma Psychology	選修 Elective	2	0	2	專業選修 Professional Electives
成人發展與老化	Adult Development and Aging	選修 Elective	2	0	2	專業選修 Professional Electives
必修學分合計 Required Credits Subtotal			26	14	12	

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

第三學年
3rd Academic 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 Subtotal	第一 學期 1 st Semester Credits	第二 學期 2 nd Semester Credits	備註 Remarks
※變態心理學	Abnormal Psychology	必修 Required	3	3	0	
神經解剖與生理	Neural Anatomy and Physiology	必修 Required	3	3	0	
社會及人格心理學實驗	Social and Personality Psychology Laboratory	必修 Required	2	2	0	
生理心理學	Biopsychology	必修 Required	3	0	3	
早期療育實務	Practice in Early Intervention	選修 Elective	3	3	0	專業選修 Professional Electives
心理藥物學	Psychopharmacology	選修 Elective	2	2	0	專業選修 Professional Electives
生理心理學實驗	Biopsychological Laboratory	選修 Elective	2	2	0	專業選修 Professional Electives
工商心理學概論	Introduction to Industrial and Organizational Psychology	選修 Elective	2	2	0	專業選修 Professional Electives
認知神經心理學	Cognitive Neuropsychology	選修 Elective	2	2	0	專業選修 Professional Electives
腦電圖與事件關聯電位實驗	Electroencephalography/Event Related Potentials (EEG/ERP) Laboratory	選修 Elective	2	2	0	專業選修 Professional Electives
情緒心理學	Emotion	選修 Elective	2	2	0	專業選修 Professional Electives
悲傷諮商	Grief Counseling	選修 Elective	2	2	0	專業選修 Professional Electives
孕產期心理健康	Perinatal Mental Health	選修 Elective	2	2	0	專業選修 Professional Electives
健康心理學	Health Psychology	選修 Elective	3	0	3	專業選修 Professional Electives
※心理衡鑑	Psychological Assessment	選修 Elective	3	0	3	專業選修 Professional Electives
行為治療	Behavioral Therapy	選修 Elective	3	0	3	專業選修 Professional Electives
團體心理治療	Group Psychotherapy	選修 Elective	3	0	3	專業選修 Professional Electives
兒童青少年心智健康與數位科技	Digital Technology in Child and Adolescent Mental Health	選修 Elective	3	0	3	專業選修 Professional Electives

第三學年

3rd Academic 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
兒童偏差行為	Abnormal Psychology in Childhood	選修 Elective	2	0	2	專業選修 Professional Electives
犯罪心理學	Criminal Psychology	選修 Elective	2	0	2	專業選修 Professional Electives
精神醫學概論	Introduction to Psychiatric Medicine	選修 Elective	2	0	2	專業選修 Professional Electives
必修學分合計 Required Credits Subtotal			11	8	3	

第四學年

4th Academic 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
※臨床心理學	Clinical Psychology	必修 Required	3	3	0	
司法心理學概論	Introduction to Forensic Psychology	選修 Elective	3	3	0	專業選修 Professional Electives
臨床心理學專題討論	Seminar in Clinical Psychology	選修 Elective	2	2	0	專業選修 Professional Electives
臨床神經心理學	Clinical Neuropsychology	選修 Elective	2	2	0	專業選修 Professional Electives
※心理學實務	Practice in Psychology	選修 Elective	2	2	0	專業選修 Professional Electives
兒童臨床心理學實務	Practice in Clinical Child Psychology	選修 Elective	2	2	0	專業選修 Professional Electives
注意力不足過動症專題	Seminar in Attention Deficit Hyperactivity Disorder	選修 Elective	2	2	0	專業選修 Professional Electives
團體心理治療實務	Practice of Group Psychotherapy	選修 Elective	2	2	0	專業選修 Professional Electives
兒童遊戲治療	Child Play Therapy	選修 Elective	3	0	3	專業選修 Professional Electives
助人專業倫理	Ethics in the Helping Professions	選修 Elective	2	0	2	專業選修 Professional Electives

第四學年

4th Academic 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
生理回饋	Biofeedback	選修 Elective	2	0	2	專業選修 Professional Electives
親職諮詢	Parenting Consultation	選修 Elective	2	0	2	專業選修 Professional Electives
自閉症專題	Seminar in Autism	選修 Elective	2	0	2	專業選修 Professional Electives
必修學分合計 Required Credits Subtotal			3	3	0	

最低畢業學分數 128 學分，必修學分數 56 學分，通識 20 學分，體育 4 學分，選修 48 學分

Minimum graduation credits: 128 credits, compulsory 56 credits, general education 20 credits, physical education 4 credits, elective 48 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."

第四學年

4th Academic 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
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當<u>全民英檢中級初試</u>，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to <u>the preliminary test of the GEPT Intermediate Level</u>. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6.	<p>至少選修 30 學分專業選修課程，始得畢業(系上所開選修課程，皆為專業選修)。</p> <p>To graduate, students must complete at least 30 credits in Professional Elective courses. (The Elective courses offered by our department are all Professional Elective courses).</p>					
7	<p>擋修課程以※標註，擋修規定依「中山醫學大學心理學系學士班課程擋修辦法」辦理。</p> <p>Course prerequisites are marked with ※, and the regulations for course prerequisites are handled in accordance with the "Regulations for Course prerequisite in the Bachelor's Program of the Department of Psychology, Chung Shan Medical University".</p>					

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

口腔醫學院牙醫學系

School of Dentistry, College of Oral Medicine

第一學年 1 st Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
大體解剖學	Gross Anatomy	必修 Required	3	3	0	
普通化學	General Chemistry	必修 Required	2	2	0	
普通物理學	General Physics	必修 Required	2	2	0	
牙醫學概論	Introduction to Dentistry	必修 Required	2	2	0	
普通生物學(一)	General Biology (I)	必修 Required	2	2	0	
大體解剖學實驗	Gross Anatomy Laboratory	必修 Required	3	0	3	
有機化學	Organic Chemistry	必修 Required	2	0	2	
牙科研究法及實驗	Method Research for Dentistry & Laboratory	必修 Required	2	0	2	
普通生物學(二)	General Biology (II)	必修 Required	2	0	2	
普通生物學實驗	General Biology Laboratory	必修 Required	1	0	1	
醫療資訊概論	Introduction to Medical Information	必修 Required	1	0	1	
期刊導讀與論文寫作	Introduction to Academic Journals and Research Writing	選修 Elective	2	2	0	
健康老化，樂齡生活	Healthy Aging	選修 Elective	2	2	0	
醫學全人照護與溝通藝術-從理論到實踐	Holistic Medical Care and Communication Arts: From Theory to Practice	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			22	11	11	

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
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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

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
微生物學及免疫學	Microbiology & Immunology	必修 Required	4	2	2	
組織學	Histology	必修 Required	2	2	0	
公共衛生學	Introduction to Public Health	必修 Required	2	2	0	
生物統計學	Biostatistics	必修 Required	2	2	0	
生涯規劃	Life Management	必修 Required	2	2	0	
生物化學(一)	Biochemistry(I)	必修 Required	2	2	0	
微生物學及免疫學實驗	Microbiology & Immunology Laboratory	必修 Required	2	1	1	
組織學實驗	Histology Laboratory	必修 Required	1	1	0	

第二學年 2nd Academic 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
神經解剖學（含實驗）	Neuroanatomy (include lab)	必修 Required	1	1	0	
口腔解剖學	Oral Anatomy	必修 Required	2	0	2	
牙科公共衛生學	Dental Public Health	必修 Required	2	0	2	
牙體形態學	Dental Morphology	必修 Required	2	0	2	
生物化學(二)	Biochemistry(II)	必修 Required	2	0	2	
口腔解剖學實驗	Oral Anatomy Laboratory	必修 Required	1	0	1	
生物化學實驗	Biochemistry Laboratory	必修 Required	1	0	1	
口腔胚胎及組織學	Oral Embryology & Histology	必修 Required	1	0	1	
口腔胚胎及組織學實驗	Oral Embryology & Histology Laboratory	必修 Required	1	0	1	
牙體形態學實驗	Dental Morphology Laboratory	必修 Required	1	0	1	
數位牙醫學導論及實作	Introduction to CAD/CAM & Digital Dentistry and Practicum	必修 Required	1	0	1	
必修學分合計 Required Credits Subtotal			32	15	17	

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

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
牙體復形學	Operative Dentistry	必修 Required	4	2	2	
藥理學	Pharmacology	必修 Required	4	2	2	
病理學	Pathology	必修 Required	2	2	0	
牙科器材學	Dental Materials	必修 Required	2	2	0	
咬合學	Occlusion	必修 Required	2	2	0	
生理學(一)	Physiology(I)	必修 Required	2	2	0	
牙體復形學實驗	Operative Dentistry Laboratory	必修 Required	2	1	1	
病理學實驗	Pathology Laboratory	必修 Required	1	1	0	
口腔病理學	Oral Pathology	必修 Required	2	0	2	
臨床牙科藥理學	Clinical Dental Pharmacology	必修 Required	2	0	2	
生理學(二)	Physiology(II)	必修 Required	2	0	2	
口腔病理學實驗	Oral Pathology Laboratory	必修 Required	1	0	1	
生理學實驗	Physiology Laboratory	必修 Required	1	0	1	
咬合學實驗	Dental Occlusion Laboratory	必修 Required	1	0	1	
藥理學實驗	Pharmacology Laboratory	必修 Required	1	0	1	
口腔免疫學概論	Introduction to Oral Immunology	選修 Elective	2	2	0	
社區牙醫學	Community Dentistry	選修 Elective	2	2	0	

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
口腔微生物	Oral Microbiology	選修 Elective	1	0	1	
牙科器材學實驗	Dental Materials Laboratory	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			29	14	15	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
全口補綴學	Complete Denture	必修 Required	4	2	2	
固定補綴學	Fixed Prosthodontics	必修 Required	4	2	2	
牙周病學	Periodontology	必修 Required	3	2	1	
內科學概論	Introduction to Internal Medicine	必修 Required	2	2	0	
外科學概論	Introduction to Surgery	必修 Required	2	2	0	
牙髓病學	Endodontics	必修 Required	2	2	0	
全口補綴學實驗	Complete Denture Laboratory	必修 Required	2	1	1	
固定補綴學實驗	Fixed Prosthodontics Laboratory	必修 Required	2	1	1	
臨床診斷學	Clinical Diagnosis	必修 Required	1	1	0	
牙科臨床教學及討論(一)	Clinical Instruction & Discussion in Dentistry (I)	必修 Required	1	1	0	
牙醫到宅醫療暨特殊需求者 口腔醫學	Domiciliary and Special Needs Dentistry	必修 Required	1	1	0	

第 四 學 年

4th Academic 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
咀嚼吞嚥障礙暨高齡者口腔醫學	Mastication, Dysphagia, and Geriatric Dentistry	必修 Required	1	1	0	
牙科放射線學	Dental Roentgenology	必修 Required	2	0	2	
急診醫學	Emergency Medicine	必修 Required	2	0	2	
牙醫倫理學	Dentist Ethics	必修 Required	1	0	1	
牙髓病學實驗	Endodontics Laboratory	必修 Required	1	0	1	
牙周病學實驗	Periodontology Laboratory	必修 Required	1	0	1	
耳鼻喉科學	Otolaryngology	必修 Required	1	0	1	
牙科臨床教學及討論(二)	Clinical Instruction & Discussion in Dentistry (II)	必修 Required	1	0	1	
牙科麻醉學(含實驗)	Dental Anesthesiology(include lab)	必修 Required	1	0	1	
牙科美學	Esthetic Dentistry	選修 Elective	2	2	0	
矯正數位 3D 排牙學	Three Dimension Digital Orthodontics	選修 Elective	1	1	0	
口腔流行病學概論	Introduction to Oral Epidemiology	選修 Elective	2	0	2	
口腔雷射醫學	Laser Application in Dentistry	選修 Elective	2	0	2	
3D 列印與設計	3D Printing and Design	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			35	18	17	

第五學年

5th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
口腔顎面外科學	Oral and Maxillofacial Surgery	必修 Required	6	3	3	
局部補綴學	Removable Partial Denture	必修 Required	4	2	2	
口腔植體學	Oral Implantology	必修 Required	2	2	0	
口腔內科暨診斷學	Oral Medicine and Diagnosis	必修 Required	2	2	0	
兒童牙科學	Pedodontics	必修 Required	3	1	2	
局部補綴學實驗	Removable Partial Denture Laboratory	必修 Required	2	1	1	
齒顎矯正學實驗	Orthodontics Laboratory	必修 Required	2	1	1	
齒顎矯正學	The Orthodontics	必修 Required	2	1	1	
牙醫臨床技能學	Clinical Skill in Dentistry	必修 Required	2	1	1	
兒童牙科學實驗	Pediatric Dentistry Laboratory	必修 Required	1	1	0	
牙科臨床教學及討論(三)	Clinical Instruction & Discussion in Dentistry (III)	必修 Required	1	1	0	
家庭牙醫學	Family Dentistry	必修 Required	1	1	0	
牙科臨床教學及討論(四)	Clinical Instruction & Discussion in Dentistry (IV)	必修 Required	1	0	1	
進階數位牙醫學(含實驗)	Advanced CAD/CAM & Digital Dentistry (include lab)	必修 Required	1	0	1	
數位顯微鏡技術與進階根管治療	Digital Microscope Technique in Advance Endodontics	選修 Elective	2	2	0	
牙醫數位軟體的理論與實際(一)	The Theory and Practice of Dental Digital Software(I)	選修 Elective	1	1	0	
拔牙學	Exodontics	選修 Elective	2	0	2	

第五學年

5th Academic 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
美容牙醫學	Cosmetic Dentistry	選修 Elective	2	0	2	
進階口腔植體學(含實驗)	Advanced Oral Implantology(include lab)	選修 Elective	2	0	2	
牙醫數位軟體的理論與實際 (二)	The Theory and Practice of Dental Digital Software(II)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			30	17	13	

第六學年

6th Academic 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
口腔顎面外科學臨床實習	Practicum in Oral & Maxillofacial Surgery	必修 Required	8	(8)	(8)	
口腔診斷臨床實習	Practicum in Dental Diagnosis	必修 Required	4	(4)	(4)	
牙科放射線學臨床實習	Practicum in Dental Roentgenology	必修 Required	2	(2)	(2)	
牙周病學臨床實習	Practicum in Periodontology	必修 Required	4	(4)	(4)	
牙體復形學臨床實習	Practicum in Operative Dentistry	必修 Required	6	(6)	(6)	
牙科臨床討論	Dental Clinical Pathological Conference	必修 Required	2	(2)	(2)	
牙髓病學臨床實習	Practicum in Endodontics	必修 Required	4	(4)	(4)	
全口補綴學臨床實習	Practicum in Complete Denture Prosthesis	必修 Required	4	(4)	(4)	
固定補綴學臨床實習	Practicum in Fixed Prosthesis	必修 Required	6	(6)	(6)	
局部補綴學臨床實習	Practicum in Removable Partial Prosthesis	必修 Required	6	(6)	(6)	

第六學年

6th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
兒童牙科學臨床實習	Practicum in Pediatric Dentistry	必修 Required	2	(2)	(2)	
齒顎矯正學臨床實習	Practicum in Orthodontics	必修 Required	2	(2)	(2)	
必修學分合計 Required Credits Subtotal			50	0	0	

最低畢業學分數學分，必修學分數學分

最低畢業學分數 235 學分，必修 198 學分，通識 20 學分，體育 4 學分，選修 13 學分

Minimum graduation credits: 235 credits, compulsory 198 credits, general education 20 credits, physical education 4 credits, elective 13 credits

說明 Instructions :

1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中高級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT High-Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>

第 六 學 年

6th Academic 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
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6	<p>本校學生所修全學年之科目，上學期成績未達 40 分者，不得修習該科目下學期之課程。</p> <p>Students who score less than 40 in the first semester of a full-year course are not allowed to enroll in that course of the second semester.</p>					
7	<p>須完成第一~五學年規定之最低必修學科學分及通識學科學分後，方可進入第六學年實習課程。實習學年度不得選讀非實習課程之科目。</p> <p>Students must complete the minimum required credits for both mandatory and general education courses specified for the first to fifth academic years before they enter the internship program in the sixth academic year. During the internship year, students are not allowed to enroll in non-internship courses.</p>					
8	<p>第六學年實習科目為全學年課程，實習成績為全學年成績，所有實習科目完成後評量成績，故無學期成績。</p> <p>The internship courses in the sixth academic year are full-year courses, and the grades are considered as full-year grades. The performance evaluation for all internship courses is conducted after the completion of the entire internship, so there are no semester grades.</p>					

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

醫學科技學院

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
高齡智能健康篩檢	Intelligent health screening for the elderly	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
高齡健康雲端數據分析	Cloud-based Analysis of Elderly Health	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
高齡智慧居家設計	Smart home Design for the Elderly	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
行動健康與照護	Mobility Health and Care	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
行動健康與照護實作	Mobility Health and Care Practice	選修 Elective	1	1	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
高齡智能科技產業實習	Industrial Practice of Intelligent health technology for the elderly	選修 Elective	1	1	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes

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
高齡福祉科技應用實務	Practical Application of Gerontechnology	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes
高齡友善智慧宜居環境設計	Elder friendly and smart livable environment design	選修 Elective	2	2	0	精準培育計畫 暑期上課 Ministry of Education Program Summer Classes

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

醫學科技學院醫學檢驗暨生物技術學系

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
普通化學	General Chemistry	必修 Required	2	2	0	
有機化學	Organic Chemistry	必修 Required	2	2	0	
普通生物學(一)	General Biology (I)	必修 Required	2	2	0	
組織學	Histology	必修 Required	2	0	2	
生理學	Physiology	必修 Required	2	0	2	
生物統計學	Biostatistics	必修 Required	2	0	2	
生物化學(一)	Biochemistry(I)	必修 Required	2	0	2	
生物化學實驗	Biochemistry Laboratory	必修 Required	1	0	1	
解剖學	Human Anatomy	選修 Elective	2	2	0	
醫技概論	Introduction to General Medical Technology	選修 Elective	2	2	0	
分生概論	Introduction to Molecular Biology	選修 Elective	2	2	0	
醫學檢驗專業英文聽力與寫作	Listening Comprehension and Writing in English for Medical Technologists	選修 Elective	2	2	0	全英語授課 Taught in English
細胞生物學	Cell Biology	選修 Elective	2	0	2	
毒物學	Toxicology	選修 Elective	2	0	2	
遺傳學概論	Introduction to genetics	選修 Elective	2	0	2	
輔助與另類醫學概論	Introduction to Complementary and Alternative Medicine (CAM)	選修 Elective	2	0	2	
普通生物學(二)	General Biology (II)	選修 Elective	2	0	2	
基礎文獻探討與寫作	Basic Literature Review and Writing	選修 Elective	2	0	2	
組織學實驗	Histology Laboratory	選修 Elective	1	0	1	

第一學年

1stAcademic 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
必修學分合計 Required Credits Subtotal			15	6	9	

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 通識中心開課 Common Education Courses Provided by General Studies Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center

第二學年

2ndAcademic 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
免疫學	Immunology	必修 Required	2	2	0	
臨床生理學	Clinical Physiology	必修 Required	2	2	0	
分子生物學(一)	Molecular Biology(I)	必修 Required	2	2	0	
生物化學(二)	Biochemistry(II)	必修 Required	2	2	0	

第二學年
2nd 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
臨床生理學實驗	Clinical Physiology Laboratory	必修 Required	1	1	0	
病理切片技術學	Histopathologic Techniques	必修 Required	1	1	0	
病理切片技術實驗	Histopathologic Laboratory	必修 Required	1	1	0	
微生物學	Microbiology	必修 Required	3	0	3	
臨床血液學(一)	Clinical Hematology (I)	必修 Required	2	0	2	
寄生蟲學	Parasitology	必修 Required	2	0	2	
微生物學實驗	Microbiology Laboratory	必修 Required	1	0	1	
寄生蟲學實驗	Parasitology Laboratory	必修 Required	1	0	1	
癌症醫學	Cancer Medicine	選修 Elective	2	2	0	
幹細胞與再生醫學概論	Introduction to Stem Cell and Regeneration Medicine	選修 Elective	2	2	0	全英語授課 Taught in English
毒理學概論	Introduction to Toxicology	選修 Elective	2	0	2	
優良實驗室規範	Good Laboratory Process	選修 Elective	2	0	2	
濫用藥物分析	Abused Drug Analysis	選修 Elective	2	0	2	
食品藥物殘留分析	Analysis of Drugs Residue in Food	選修 Elective	2	0	2	
DNA 鑑定	DNA Analysis	選修 Elective	2	0	2	
生技藥品研發實例	Development of Biopharmaceuticals	選修 Elective	2	0	2	
臨床細胞遺傳學檢驗	Clinical Cytogenetics Technology	選修 Elective	2	0	2	
臨床細胞遺傳學檢驗實驗	Clinical Cytogenetics Technology Laboratory	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			20	11	9	

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

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
臨床生化學	Clinical Biochemistry	必修 Required	3	3	0	
血庫學	Blood Banking	必修 Required	2	2	0	
臨床血液學(二)	Clinical Hematology (II)	必修 Required	2	2	0	
臨床鏡檢學	Clinical Microscopy	必修 Required	2	2	0	
臨床生化學實驗	Clinical Biochemistry Laboratory	必修 Required	1	1	0	
臨床血液學實驗	Clinical Hematology Laboratory	必修 Required	1	1	0	
臨床鏡檢學實驗	Clinical Microscopy Laboratory	必修 Required	1	1	0	
醫學專題討論(一)	Seminar in Biomedicine (I)	必修 Required	1	1	0	
臨床微生物學	Clinical Microbiology	必修 Required	3	0	3	
臨床微生物學實驗	Clinical Microbiology Laboratory	必修 Required	2	0	2	
臨床血清免疫學	Clinical Serology & Immunology	必修 Required	2	0	2	
臨床病毒學	Clinical Virology	必修 Required	2	0	2	
醫學分子檢驗學	Molecular Diagnostics in Medicine	必修 Required	2	0	2	
臨床血清免疫學實驗	Clinical Serology & Immunology Laboratory	必修 Required	1	0	1	
臨床病毒與分子檢驗實驗	Clinical Virology and Molecular Diagnosis Laboratory	必修 Required	1	0	1	
醫學專題討論(二)	Seminar in Biomedicine (II)	必修 Required	1	0	1	
分子遺傳學	Molecular Genetics	選修 Elective	2	2	0	
分子遺傳學實驗	Molecular Genetic Laboratory	選修 Elective	1	1	0	
多體學與精準醫學應用概論	Introduction to Applications in Omics and Precision Medicine	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			27	13	14	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
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病理學	Pathology	必修 Required	2	(2)	(2)	
生物技術學	Biotechnology	必修 Required	2	(2)	(2)	
臨床微生物實習	Practicum in Clinical Microbiology	必修 Required	3	(3)	(3)	
臨床血庫實習	Practicum in Clinical Blood Banking	必修 Required	1	(1)	(1)	
臨床生化實習	Practicum in Clinical Chemistry	必修 Required	2	(2)	(2)	
臨床血清免疫實習	Practicum in Clinical Seroimmunology	必修 Required	2	(2)	(2)	
臨床血液實習	Practicum in Clinical Hematology	必修 Required	2	(2)	(2)	
臨床鏡檢實習	Practicum in Clinical Microscopy	必修 Required	3	(3)	(3)	
臨床生理實習	Practicum in Clinical Physiology	必修 Required	2	(2)	(2)	
病理切片與細胞診斷實習	Practicum in Clinical Histopathologic and Cytologic Diagnosis	必修 Required	1	(1)	(1)	
醫學分子檢驗實習	Practicum in Molecular Diagnostics in Medicine	必修 Required	1	(1)	(1)	
醫學實驗室管理及品質管理	Management of Medical Laboratory and Quality Management	必修 Required	2	(2)	(2)	
臨床病毒學實習	Practicum in Clinical Virology	選修 Elective	2	(2)	(2)	
臨床檢驗實務操作	Clinical Medical Laboratory Practice	選修 Elective	1	(1)	(1)	
臨床生化學特論	Special Lectures in Clinical Chemistry	選修 Elective	1	(1)	(1)	
臨床微生物學特論	Special Topics in Clinical Microbiology	選修 Elective	2	(2)	(2)	
醫學實驗室認證	Medical Laboratory Accreditation	選修 Elective	2	(2)	(2)	
免疫學與血清學特論	Special Topics in Immunology and Serology	選修 Elective	2	(2)	(2)	
血液學及血庫學特論	Special Topics in Hematology and Immunohematology	選修 Elective	2	(2)	(2)	
實驗室開發檢測	Laboratory Developed Tests	選修 Elective	2	(2)	(2)	
必修學分合計 Required Credits Subtotal			23			

最低畢業學分數學分 128 學分，必修 85 學分，通識 20 學分，體育 4 學分，選修 19 學分

Minimum graduation credits: 128 credits, compulsory 85 credits, general education 20 credits, physical education 4 credits, elective 19 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。
The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order

	<p>to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits. They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain. The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>
5.	<p>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>

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

醫學科技學院物理治療學系

Department of Physical Therapy, College of Medicine Science and Technology

第一學年 1 st 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
解剖學	Human Anatomy	必修 Required	3	3	0	
普通生物學	General Biology	必修 Required	2	2	0	
解剖學實驗	Human Anatomy Laboratory	必修 Required	1	1	0	
普通生物學實驗	General Biology Laboratory	必修 Required	1	1	0	
※物理治療導論	Introduction to Physical Therapy	必修 Required	1	1	0	
普通物理學	General Physics	必修 Required	2	0	2	
※表體解剖學	Surface Anatomy-Palpation and Surface Markings	必修 Required	1	0	1	
※表體解剖學實習	Practicum in Surface Anatomy-Palpation and Surface Markings	必修 Required	1	0	1	
物理治療師生涯規劃	Career Planning in Physical Therapist	選修 Elective	2	2	0	
運動科學概論	Introduction to Exercise Science	選修 Elective	2	2	0	
銀髮族保健學	Health Care for the Elderly Adults	選修 Elective	2	2	0	
微積分(一)	Calculus(I)	選修 Elective	2	2	0	
專題研究(一)	Independent Study(I)	選修 Elective	2	0	2	
物理治療專業英文	Professional English in Physical Therapy	選修 Elective	2	0	2	
微積分(二)	Calculus(II)	選修 Elective	2	0	2	
急救學與實作	First Aid and Practicum	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			12	8	4	
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

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必修 Required	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
※生物統計學	Biostatistics	必修 Required	2	2	0	
※肌動學	Kinesiology	必修 Required	2	2	0	
※神經解剖學(含實驗)	Neuroanatomy (include lab)	必修 Required	2	2	0	
生理學(一)	Physiology(I)	必修 Required	2	2	0	
※物理治療技術學實習	Practicum in Fundamental Physical Therapy Techniques	必修 Required	1	1	0	
※物理治療技術學	Fundamental Physical Therapy Techniques	必修 Required	1	1	0	
※熱療學	Thermal Agent Therapy	必修 Required	1	1	0	
※熱療學實習	Practicum in Thermal Agent Therapy	必修 Required	1	1	0	
※物理治療臨床見習(一)	Clinical Observation in Physical Therapy(I)	必修 Required	1	1	0	
※物理治療倫理學	Ethics in Physical Therapy	必修 Required	1	1	0	
※公共衛生學	Introduction to Public Health	必修 Required	2	0	2	
※生物力學	Biomechanics	必修 Required	2	0	2	

第二學年

2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必修 Required	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
※物理治療管理學	Physical Therapy Organization and Administration	必修 Required	2	0	2	
※臨床醫學(一)	Introduction to Clinical Medicine (I)	必修 Required	2	0	2	
生理學(二)	Physiology(II)	必修 Required	2	0	2	
生理學實驗	Physiology Laboratory	必修 Required	1	0	1	
※電療學	Electrotherapy	必修 Required	1	0	1	
※電療學實習	Practicum in Electrotherapy	必修 Required	1	0	1	
※物理治療評估學	Assessment of Physical Therapy	必修 Required	1	0	1	
※物理治療評估學實習	Practicum in Assessment of Physical Therapy	必修 Required	1	0	1	
兒童發展	The Development of Children	選修 Elective	2	2	0	
老人健康照護及物理治療	Health Care and Physical Therapy for Community-Dwelling Older Adults	選修 Elective	2	2	0	
運動指導與設計	Exercise Guide and Design	選修 Elective	2	2	0	
運動生理學	Exercise Physiology	選修 Elective	2	0	2	
基本運動學	Basic Principles of Exercise Prescription	選修 Elective	2	0	2	
兒童發展評估	Evaluation of Child Development	選修 Elective	2	0	2	
專題研究(二)	Independent Study (II)	選修 Elective	2	0	2	
皮膚系統物理治療	Integumentary Physical Therapy	選修 Elective	2	0	2	
必修學分合計			29	14	15	

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
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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
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第三學年 3rd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必修 Required	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
※骨科物理治療學	Orthopedic Physical Therapy	必修 Required	3	2	1	
病理學	Pathology	必修 Required	2	2	0	
※心肺物理治療學	Cardiopulmonary Physical Therapy	必修 Required	2	2	0	
※臨床醫學(二)	Introduction to Clinical Medicine (II)	必修 Required	2	2	0	
※神經科物理治療學	Neurological Physical Therapy	必修 Required	3	1	2	
※神經科物理治療學實習	Practicum in Neurological Physical Therapy	必修 Required	2	1	1	
※骨科物理治療學實習	Practicum in Orthopedic Physical Therapy	必修 Required	2	1	1	
※心肺物理治療學實習	Practicum in Cardiopulmonary Physical Therapy	必修 Required	1	1	0	
※操作治療學實習	Practicum in Manual Therapy	必修 Required	1	1	0	
※操作治療學	Manual Therapy	必修 Required	1	1	0	
※小兒物理治療學	Pediatric Physical Therapy	必修 Required	2	0	2	
※小兒物理治療學實習	Practicum in Pediatric Physical Therapy	必修 Required	1	0	1	
※復健醫學	Rehabilitation Medicine	必修 Required	1	0	1	
※物理治療臨床見習(二)	Clinical Observation in Physical Therapy(II)	必修 Required	1	0	1	
※義肢及科技輔具學	Orthotics, Prosthetics and Assistive Technology in Rehabilitation	必修 Required	1	0	1	
※義肢及科技輔具學實習	Practicum in Orthotics, Prosthetics and Assistive Technology in Rehabilitation	必修 Required	1	0	1	
醫學影像概論	Introduction to Medical Image	選修 Elective	2	2	0	
專題研究(三)	Independent Study (III)	選修 Elective	2	2	0	
動作控制與學習	Motor Control and Learning	選修 Elective	2	2	0	
復健聯盟之創業與行銷	Entrepreneurship and Marketing Science of Rehabilitation Alliance	選修 Elective	2	2	0	
競技運動傷害處理與貼紮	Sports Injury Management and Taping	選修 Elective	2	2	0	
智慧化輔助科技	Intelligent Assistive Technology	選修 Elective	2	2	0	

第三學年 3rd 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
AI 科技賦能運動治療	AI Technology Empowers Sports Therapy	選修 Elective	1	1	0	
實證物理治療學	Evidence-Based Physical Therapy	選修 Elective	2	0	2	
骨科與老人物理治療臨床個案討論	Orthopedic Geriatric Physical Therapy Case Study	選修 Elective	2	0	2	
長照復能實務及案例討論	Reablement of Long-Term Care	選修 Elective	2	0	2	
競技運動傷害評估與賦能	Sports Injury Assessment and Empower	選修 Elective	2	0	2	
社區物理治療	Community-based Physical Therapy	選修 Elective	1	0	1	
競技運動按摩	Sports Performance Massage	選修 Elective	1	0	1	
脊椎側彎的臨床實務操作技巧	The Clinical Practical Operation Techniques for Scoliosis.	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			26	14	12	

第四學年 4th 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
科目名稱	英文科目名稱	必/選 修 Required Elective	合計 學分	第一 學期	第二 學期	備註
物理治療特論	Special Topic in Physical Therapy	必修 Required	1	0	1	
物理治療臨床實習(一)	Clinical Practicum in Physical Therapy (I)	必修 Required	4	(4)	(4)	第 1、2 學期各選 12 學分 offering 12 credits per semester.
物理治療臨床實習(二)	Clinical Practicum in Physical Therapy (II)	必修 Required	4	(4)	(4)	第 1、2 學期各選 12 學分 offering 12 credits per semester.
物理治療臨床實習(三)	Clinical Practicum in Physical Therapy (III)	必修 Required	4	(4)	(4)	第 1、2 學期各選 12 學分 offering 12 credits per semester.
物理治療臨床實習(四)	Clinical Practicum in Physical Therapy (IV)	必修 Required	4	(4)	(4)	第 1、2 學期各選 12 學分 offering 12 credits per semester.
物理治療臨床實習(五)	Clinical Practicum in Physical Therapy (V)	必修 Required	4	(4)	(4)	第 1、2 學期各選 12 學分 offering 12 credits

第四學年

4th 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
科目名稱	英文科目名稱	必/選修	合計學分	第一學期	第二學期	備註
物理治療臨床實習(六)	Clinical Practicum in Physical Therapy (VI)	必修 Required	4	(4)	(4)	per semester. 第 1、2 學期各選 12 學分 offering 12 credits per semester.
必修學分合計 Required Credits Subtotal			25			

最低畢業學分數 128 學分，必修 92 學分，通識 20 學分，體育 4 學分，選修 12 學分

Minimum graduation credits: 128 credits, compulsory 92credits, general education 20 credits, physical education 4 credits, elective 12 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."
- 學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。

Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.

第 四 學 年

4th 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
科目名稱	英文科目名稱	必/選修	合計學分	第一學期	第二學期	備註
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6.	<p>擋修課程以※標註，凡標有※任何一科不及格者，擋修第四學年「物理治療臨床實習(一)~(六)」</p> <p>Courses marked with ※ are mandatory prerequisites. Students who fail any course designated with ※ will be ineligible to register for the fourth-year "Clinical Practicum in Physical Therapy (I) through (VI),"</p>					

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

醫學科技學院職能治療學系

Department of Occupational Therapy, College of Medical Science and Technology

第一學年 1 st Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
解剖學	Human Anatomy	必修 Required	3	3	0	
普通生物學	General Biology	必修 Required	2	2	0	
普通心理學	General Psychology	必修 Required	2	2	0	
社會學與職能治療	Sociology and Occupational Therapy	必修 Required	2	2	0	
解剖學實驗	Human Anatomy Laboratory	必修 Required	1	1	0	
職能治療導論	Introduction to Occupational Therapy	必修 Required	1	1	0	
職能治療理論基礎	Basic Theory of Occupational Therapy	必修 Required	2	0	2	
基礎統計與研究方法	Basic Statistics and Research Methods	必修 Required	2	0	2	
職能治療活動學(一)	Therapeutic Activities in Occupational Therapy (I)	必修 Required	1	0	1	
職能治療活動學實習(一)	Practicum in Therapeutic Activities in Occupational Therapy (I)	必修 Required	1	0	1	
團體動力學	Group Dynamics	必修 Required	1	0	1	
團體動力學實習	Practicum in Group Dynamics	必修 Required	1	0	1	
解剖與人體動作	Anatomy and Human Movement: Structure and Function	必修 Required	1	0	1	
解剖與人體動作實習	Practicum in Anatomy and Human Movement: Structure and Function	必修 Required	1	0	1	
職能治療初階臨床實習(一)	Level I Fieldwork practice in Occupational Therapy (I)	必修 Required	1	0	1	

第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必修 Required	合計 學分 Credits Subtotal	第一 學期 1 st Semester Credits	第二 學期 2 nd Semester Credits	備註
早期療育概論	Introduction to Early Intervention	選修 Elective	2	2	0	
身心障礙概論	Introduction to Disability	選修 Elective	2	2	0	
臨床溝通模擬與實作	Clinical Communication Skill Simulation and Practice	選修 Elective	2	2	0	
輔具設計與實作	Designing and Practicing Skills of Assistive Devices	選修 Elective	2	0	2	
職能治療專題研究(一)	Independent Study in Occupational Therapy (I)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			22	11	11	

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	0	2	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

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
生理學	Physiology	必修 Required	4	4	0	
人類發展學	Human Development	必修 Required	2	2	0	
精神醫學	Psychiatry	必修 Required	2	2	0	
生理學實驗	Physiology Laboratory	必修 Required	1	1	0	
肌動學	Kinesiology	必修 Required	1	1	0	
肌動學實習	Practicum in Kinesiology	必修 Required	1	1	0	
職能治療活動學(二)	Therapeutic Activities in Occupational Therapy (II)	必修 Required	1	1	0	
職能治療活動學實習(二)	Practicum in Therapeutic Activities in Occupational Therapy (II)	必修 Required	1	1	0	
職能治療評估學實習	Practicum in Assessments in Occupational Therapy	必修 Required	2	0	2	
臨床醫學(一)	Introduction to Clinical Medicine (I)	必修 Required	2	0	2	
復健醫學	Rehabilitation Medicine	必修 Required	1	0	1	
職能治療倫理與規範	Occupational Therapy Ethics and Regulations	必修 Required	1	0	1	
職能治療管理學	Occupational Therapy Organization and Administration	必修 Required	1	0	1	
職能治療評估學	Assessments in Occupational Therapy	必修 Required	1	0	1	
職能治療初階臨床實習(二)	Level I Fieldwork practice in Occupational Therapy (II)	必修 Required	1	0	1	
小兒職能治療 (一)	Pediatric Occupational Therapy(I)	必修 Required	1	0	1	
小兒職能治療實習 (一)	Practicum in Pediatric Occupational Therapy(I)	必修 Required	1	0	1	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
社區及老人醫學(一)	Community and Geriatric Medicine (I)	必修 Required	1	0	1	
感覺統合概論	Introduction to Sensory Integration	選修 Elective	2	2	0	
職能治療的人際關係與溝通	Interpersonal Relationship and Communication in Occupational Therapy	選修 Elective	2	2	0	
人體動作分析概論	Introduction to Human Motion Analysis	選修 Elective	2	2	0	
職能治療專題研究(二)	Independent Study in Occupational Therapy (II)	選修 Elective	1	1	0	
早療專業團隊合作	Team Collaboration in Early Intervention	選修 Elective	3	0	3	
日常生活活動與輔助科技	Activities of Daily Living and Assistive Technology	選修 Elective	2	0	2	
職能治療的敘事觀點	Narrative Perspectives in Occupational Therapy	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			25	13	12	

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

第三學年
3rd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
心理障礙職能治療	Occupational Therapy for Psychosocial Dysfunction	必修 Required	2	2	0	
臨床醫學(二)	Introduction to Clinical Medicine (II)	必修	2	2	0	
心理障礙職能治療實習	Practicum in Occupational Therapy for Psychosocial Dysfunction	必修	1	1	0	
職能治療技術學	Therapeutic Techniques in Occupational Therapy	必修 Required	1	1	0	
職能治療技術學實習	Practicum in Therapeutic Techniques in Occupational Therapy	必修 Required	1	1	0	

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
社區職能治療學	Community-based Occupational Therapy	必修 Required	1	1	0	
社區職能治療學實習	Practicum in Community-based Occupational Therapy	必修 Required	1	1	0	
小兒職能治療 (二)	Pediatric Occupational Therapy(II)	必修 Required	1	1	0	
小兒職能治療實習 (二)	Practicum in Pediatric Occupational Therapy(II)	必修 Required	1	1	0	
社區及老人醫學(二)	Community and Geriatric Medicine(II)	必修 Required	1	1	0	
生理障礙職能治療實習	Practicum in Occupational Therapy for Physical Dysfunction	必修 Required	2	0	2	
日常生活功能與輔助科技	Assistive Technology and Activity of daily living	必修 Required	2	0	2	
生理障礙職能治療	Occupational Therapy for Physical Dysfunction	必修 Required	1	0	1	
副木裝具義肢學實習	Practicum in Orthotics and Prosthetics	必修 Required	1	0	1	
副木裝具義肢學	Orthotics and Prosthetics	必修 Required	1	0	1	
職業復健	Vocational Rehabilitation	必修 Required	1	0	1	
職業復健實習	Practicum in Vocational Rehabilitation	必修 Required	1	0	1	
職能治療初階臨床實習(三)	Llevel I Fieldwork practice in Occupational Therapy (III)	必修 Required	1	0	1	
日常生活功能與輔助科技實習	Practicum in Assistive Technology and Activity of daily living	必修 Required	1	0	1	
國際健康功能與身心障礙分類之運用	Application of the International Classification of Functional, Disability, and Health	選修 Elective	2	2	0	
職能治療專題研究(三)	Independent Study in Occupational Therapy(III)	選修 Elective	1	1	0	
職能治療測驗及評估	Measurement and Assessment in Occupational Therapy	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			23	12	11	

第 四 學 年
4th Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
職能治療專題討論	Seminar in Occupational Therapy	必修 Required	2	2	0	
小兒職能治療臨床實習(一)	Clinical Practice of Occupational Therapy for Children (I)	必修 Required	4	(4)	(4)	
小兒職能治療臨床實習(二)	Clinical Practice of Occupational Therapy for Children (II)	必修 Required	4	(4)	(4)	
心理障礙職能治療臨床實習(一)	Clinical Practicum in Occupational Therapy for Psychosocial Dysfunction (I)	必修 Required	4	(4)	(4)	
心理障礙職能治療臨床實習(二)	Clinical Practicum in Occupational Therapy for Psychosocial Dysfunction (II)	必修 Required	4	(4)	(4)	
生理障礙職能治療臨床實習(一)	Clinical Practice of Occupational Therapy for Physical Dysfunction (I)	必修 Required	4	(4)	(4)	
生理障礙職能治療臨床實習(二)	Clinical Practice of Occupational Therapy for Physical Dysfunction (II)	必修 Required	4	(4)	(4)	
職能治療特論	Special Topics in Occupational Therapy	選修 Elective	2	0	2	
社區職能治療臨床實習	Clinical Practicum in Occupational Therapy for Community	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			26			

最低畢業學分數 128 學分，必修 96 學分，通識 20 學分，體育 4 學分，選修 8 學分

Minimum graduation credits: 128 credits, compulsory 96 credits, general education 20 credits, physical education 4 credits, elective 8 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

第 四 學 年

4th 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
<p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>						
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。 Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。 Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。 Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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。 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>					
6.	<p>修習「職能治療活動學暨實習(二)」前須修過「職能治療活動學暨實習(一)」。修習「職能治療初階臨床實習」(三)者必須修過「職能治療初階臨床實習」(二)；修習「職能治療初階臨床實習」(二)者必須修過「職能治療初階臨床實習」(一)及「職能治療導論」。 Before taking 'Therapeutic Activities in Occupational Therapy (II)', students must have completed 'Therapeutic Activities in Occupational Therapy (I)'. Those who take 'Level I Fieldwork practice in Occupational Therapy (III)' must have completed 'Level I Fieldwork practice in Occupational Therapy (II)'; those who take 'Level I Fieldwork practice in Occupational Therapy (II)' must have completed 'Level I Fieldwork practice in Occupational Therapy (I)' and 'Introduction to Occupational Therapy</p>					
7.	<p>第一至第三學年之所有系上必修科目均擋修第四學年之必修臨床實習。 All compulsory courses from the first to the third year block the required clinical practicum in the fourth year.(Clinical Practice of Occupational Therapy for Children (I),Clinical Practice of Occupational Therapy for Children (II), Clinical Practicum in</p>					

第 四 學 年

4th 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
	Occupational Therapy for Psychosocial Dysfunction (I), Clinical Practicum in Occupational Therapy for Psychosocial Dysfunction (II), Clinical Practice of Occupational Therapy for Physical Dysfunction (I), Clinical Practice of Occupational Therapy for Physical Dysfunction (II)					

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

醫學科技學院語言治療與聽力學系語言治療組

Division of Speech Language Pathology, Department of Speech Language Pathology and Audiology, 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	必修 Required /Elective	合計 學分 Credits Obtained In total	第一 學期 Credits Obtained in the 1 st Semester	第二 學期 Credits Obtained in the 2 nd Semester	備註 Remarks
語言學概論	Introduction to Linguistics	必修 Required	3	3	0	
普通心理學	General Psychology	必修 Required	2	2	0	
基礎神經解剖學	Neurological Anatomy	必修 Required	2	2	0	
發展心理學	Developmental Psychology	必修 Required	2	0	2	
聽力學導論	Introduction to Audiology	必修 Required	2	0	2	
溝通障礙學導論	Introduction to Communication Disorders	必修 Required	2	0	2	
語音學	Phonetics	必修 Required	2	0	2	
統計學	Statistics	必修 Required	2	0	2	
聽語神經解剖學	Speech and Hearing Anatomy	必修 Required	2	0	2	
復健輔助科技	Assistive Technology in Rehabilitation	選修 Elective	2	2	0	
聽語科學導論	Introduction to Speech & Hearing Science	選修 Elective	2	2	0	
早期療育概論	Introduction to Early Intervention	選修 Elective	2	0	2	
聽語台文	Taiwanese Communication in Speech, Language and Hearing	選修 Elective	2	0	2	
高齡與溝通	Aging and Communication	選修 Elective	2	0	2	
繪本共讀技巧	Skills in Shared Book Reading	選修 Elective	1	0	1	
聽語增能微學分	Audiology and Speech Therapy Increment Micro-Credential Course	選修 Elective	1	(1)	(1)	
必修學分合計 Required Credits in Total			19	7	12	

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 Courses Provided by Center for General Education
程式語言	Programming Language	必修 Required	2	0	2	共同教育課程 通識中心開課 Common Courses Provided by Center for General Education
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 Courses Provided by Center for General Education
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 Courses Provided by Center for General Education
體育	Physical Education	必修 Required	1	1	0	共同教育課程 體育中心開課 Common Courses Provided by Center for General Education
體育	Physical Education	必修 Required	1	0	1	共同教育課程 體育中心開課 Common Courses Provided by Center for General Education

第 二 學 年

2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
語言發展學	Language Development	必修 Required	3	3	0	
◎構音與音韻異常	Articulation/Phonological Disorders	必修 Required	3	3	0	擋修聽語障礙 實習(二) Prevent enrollment in “Practicum in Communicative Disorders(II)”
言語科學	Speech Science	必修 Required	2	2	0	
語暢障礙學	Fluency Disorders	必修 Required	2	2	0	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
聽語測驗原理與應用	Theory and Application of Assessment on Speech, Language and Hearing Disorders	必修 Required	2	2	0	
語言治療專業與倫理	Professional Issues and Ethics in Speech-Language Pathology	必修 Required	1	1	0	
◎學前兒童語言障礙學	Language Disorders in Pre-schoolers	必修 Required	3	0	3	擋修語言障礙實習 Prevent enrollment in "Practicum in Speech Language Pathology"
語音聲學	Acoustic Phonetics	必修 Required	2	0	2	
行為改變技術與應用	Behavior Modification and Application	必修 Required	2	0	2	
臨床聽力與障礙學	Essentials of Clinical Audiology Hearing Disorders	必修 Required	2	0	2	
初階語言障礙學實習	Basic Practicum in Speech Language Pathology	必修 Required	2	0	2	
溝通障礙之諮商技巧	Counseling in Communication Disorders	必修 Required	2	0	2	
成人神經語言障礙學	Neurogenic Communicative Disorders in Adults	必修 Required	1	0	1	
聽力學臨床實務論	Practicum in Clinical Audiology	必修 Required	1	0	1	
過動症專題	Seminar in Attention Deficit Hyperactivity Disorder	選修 Elective	2	2	0	
嬰幼兒溝通發展	Communication development in infancy	選修 Elective	2	2	0	
兒童溝通障礙個案研究(一)	Case Studies of Communication Disorders in Children (I)	選修 Elective	1	1	0	
成人溝通障礙個案研究(一)	Case Studies of Communication Disorders in Adults (I)	選修 Elective	1	1	0	
兒童溝通互動技巧	Skills in Communication and Interaction with Children	選修 Elective	1	1	0	
聽語多元文化實務	Multicultural Practicum in Audiology and Speech-Language Pathology	選修 Elective	1	1	0	
嬰幼兒溝通障礙	Communication Disorders in Infants	選修 Elective	2	0	2	
自閉症專題	Seminar in Autism	選修 Elective	2	0	2	
兒童溝通障礙個案研究(二)	Case Studies of Communication Disorders in Children (II)	選修 Elective	1	0	1	
成人溝通障礙個案研究(二)	Case Studies of Communication Disorders in Adults (II)	選修 Elective	1	0	1	
溝通障礙之諮商技巧個案研究	Case Studies of Counseling in Communication Disorders	選修 Elective	1	0	1	
必修學分合計 Required Credits in Total			28	13	15	

體育	Physical Education	必修 Required	1	1	0	共同教育課程 體育中心開課 Common Courses Provided by Physical Education Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 體育中心開課 Common Courses Provided by Physical Education Center

第 三 學 年

3rd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
吞嚥障礙學	Swallowing Disorders	必修 Required	3	3	0	
成人失語症	Aphasia	必修 Required	3	3	0	
◎學童語言障礙學	Language Disorders in School-age Children	必修 Required	2	2	0	擋修語言障礙 實習 Prevent enrollment in “Practicum in Speech Language Pathology”
聽語障礙實習(一)	Practicum in Communicative Disorders(I)	必修 Required	2	2	0	
輔助溝通系統	Augmentative and Alternative Communication (AAC)	必修 Required	2	2	0	
溝通障礙評估與報告寫作	Clinical Assessment and Professional Report Writing in Communication Disorders	必修 Required	2	2	0	
溝通障礙治療與報告寫作	Treatment and Professional Report Writing in Communication Disorders	必修 Required	2	2	0	
語言障礙實習	Practicum in Speech Language Pathology	必修 Required	3	0	3	
聽能復健學	Aural Rehabilitation	必修 Required	2	0	2	
嗓音障礙學	Voice Disorders	必修 Required	2	0	2	
運動言語障礙學	Motor Speech Disorders	必修 Required	2	0	2	
聽語障礙實習(二)	Practicum in Communicative Disorders(II)	必修 Required	2	0	2	
語言障礙實習總論	General Principles of Clinical Practicum in Speech-Language Disorders	必修 Required	1	0	1	
語言障礙個案研究	Case Studies in Speech and Language Disorders	必修 Required	1	0	1	
兒童溝通障礙個案研究(三)	Case Studies of Communication Disorders in Children (III)	選修 Elective	1	1	0	

第三學年

3rd 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
成人溝通障礙個案研究(三)	Case Studies of Communication Disorders in Adults (III)	選修 Elective	1	1	0	
溝通障礙評估與報告寫作實務	Practicum in Evaluation, Assessment, & Writing of Communication Disorders	選修 Elective	1	1	0	
溝通障礙治療與報告寫作實務	Practicum in Treatment and Professional Report Writing in Communication Disorders	選修 Elective	1	1	0	
唇顎裂與相關障礙學	Communicative Disorders in Craniofacial Deficits: Cleft Lip and/or Palate	選修 Elective	2	0	2	
嬰幼兒吞嚥障礙學	Pediatric Dysphagia	選修 Elective	2	0	2	
運動言語障礙學個案討論	Motor Speech Disorders: Case Studies	選修 Elective	1	0	1	
兒童溝通障礙個案研究(四)	Case Studies of Communication Disorders in Children (IV)	選修 Elective	1	0	1	
成人溝通障礙個案研究(四)	Case Studies of Communication Disorders in Adults (IV)	選修 Elective	1	0	1	
必修學分合計 Required Credits in Total			29	16	13	

第四學年

4th 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 Obtained In total	第一 學期 Credits Obtained in the 1 st Semester	第二 學期 Credits Obtained in the 2 nd Semester	備註 Remarks
臨床語言障礙實習(一)	Clinical Practicum in Speech-Language Disorders(I)	必修 Required	9	(9)	(9)	
臨床語言障礙實習(二)	Clinical Practicum in Speech-Language Disorders(II)	必修 Required	9	(9)	(9)	
必修學分合計 Required Credits in Total			18			

最低畢業學分數 **128** 學分，必修 **94** 學分，通識 **20** 學分，體育 **4** 學分，選修 **10** 學分

The minimum of graduation credits obtained is **128** credits, including compulsory **94** credits, general education **20** credits, physical education **4** credits, and elective **10** credits

說明 Instructions :

第 四 學 年

4th 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 Obtained In total	第一 學期 Credits Obtained in the 1 st Semester	第二 學期 Credits Obtained in the 2 nd Semester	備註 Remarks
<p>1. 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分 (醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <ol style="list-style-type: none"> 1) Fundamental General Education Courses: These are mandatory, 6 credits in total. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning." 2) Liberal Arts General Education Courses: These are also mandatory, 14 credits in total (including 16 credits for the Department of Medical Informatics). The courses contain four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain. <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>						
<p>2. 學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>						
<p>3. 學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>						
<p>4. 學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>						

第 四 學 年

4th 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 Obtained In total	第一 學期 Credits Obtained in the 1 st Semester	第二 學期 Credits Obtained in the 2 nd Semester	備註 Remarks
5.	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。 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 3) courses included in the General Education Curriculum.					
6.	標有◎任一科不及格，擋修下一學期之對應科目。 If a student fails any course marked with ◎, they will be barred from enrolling in the corresponding course in the next semester.					
7.	第一至第三學年之所有系上必修科目均擋修第四學年之必修臨床實習。 All required departmental courses from the first to the third year will bar students from taking the required clinical practicum in the fourth year.					
8.	語言治療組學生在三年級第 2 學期「語言障礙實習總論」課程中，須通過實習能力檢定考。 Students in the Division of Speech Language Pathology must pass the Practicum Competency Assessment during the second semester of their third Academic year in the course " General Principles of Clinical Practicum in Speech-Language Disorders ".					

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

醫學科技學院語言治療與聽力學系聽力組

Division of Audiology, Department of Speech Language Pathology and Audiology, 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	必修 Required /Elective	合計 學分 Credits Obtained In total	第一 學期 Credits Obtained in the 1 st Semester	第二 學期 Credits Obtained in the 2 nd Semester	備註 Remarks
語言學概論	Introduction to Linguistics	必修 Required	3	3	0	
普通心理學	General Psychology	必修 Required	2	2	0	
聽語科學導論	Introduction to Speech & Hearing Science	必修 Required	2	2	0	
統計學	Statistics	必修 Required	2	2	0	
基礎神經解剖學	Neurological Anatomy	必修 Required	2	2	0	
發展心理學	Developmental Psychology	必修 Required	2	0	2	
聽力學導論	Introduction to Audiology	必修 Required	2	0	2	
溝通障礙學導論	Introduction to Communication Disorders	必修 Required	2	0	2	
語言發展學	Language Development	必修 Required	2	0	2	
聽語神經解剖學	Speech and Hearing Anatomy	必修 Required	2	0	2	
聾人文化	Culture of the Deaf	必修 Required	1	0	1	
復健輔助科技	Assistive Technology in Rehabilitation	選修 Elective	2	2	0	
語音學	Phonetics	選修 Elective	2	0	2	
聽語台文	Taiwanese Communication in Speech, Language and Hearing	選修 Elective	2	0	2	
聽語增能微學分	Audiology and Speech Therapy Increment Micro-Credential Course	選修 Elective	1	(1)	(1)	
必修學分合計 Required Credits in Total			22	11	11	

多元文化與語文	Multiculturalism and Languages	必修 Required	2	(2)	(2)	共同教育課程 通識中心開課 Common Courses Provided by Center for General Education
程式語言	Programming Language	必修 Required	2	0	2	共同教育課程 通識中心開課 Common Courses Provided by Center for General Education
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 Courses Provided by Center for General Education
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 Courses Provided by Center for General Education
體育	Physical Education	必修 Required	1	1	0	共同教育課程 通識中心開課 Common Courses Provided by Center for General Education
體育	Physical Education	必修 Required	1	0	1	共同教育課程 通識中心開課 Common Courses Provided by Center for General Education

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
聽力科學	Hearing Science	必修 Required	3	3	0	
語音聲學	Acoustic Phonetics	必修 Required	3	3	0	
臨床聽力學	Essentials of Clinical Audiology	必修 Required	2	2	0	
聽力學臨床實務論	Practicum in Clinical Audiology	必修 Required	2	2	0	
耳鼻喉科學概論	Introduction to Otolaryngology	必修 Required	1	1	0	
噪音與聽力維護	Noise Survey and Hearing Conservation	必修 Required	2	0	2	
聽語測驗原理與編製	Principles and Edits of Speech-Hearing	必修	2	0	2	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
	Tests	Required				
行為改變技術與應用	Behavior Modification and Application	必修 Required	2	0	2	
語音聽知覺學	Speech and Auditory Perception	必修 Required	2	0	2	
聽覺障礙學(一)	Hearing Disorders (I)	必修 Required	2	0	2	
兒童言語與語言障礙學	Speech and Language Disorders in Children	必修 Required	2	0	2	
兒童語言障礙初階實習	Practicum in Child Language Disorders	必修 Required	1	0	1	
聽語多元文化實務	Multicultural Practicum in Audiology and Speech-Language Pathology	選修 Elective	1	1	0	
手語	Sign Language	選修 Elective	2	2	0	
聽障教育與溝通訓練	Deaf Education and Communication Training	選修 Elective	2	2	0	
溝通障礙之諮商技巧	Counseling in Communication Disorders	選修 Elective	2	2	0	
早期療育與溝通障礙	Early Intervention of Communicative Disorders	選修 Elective	2	0	2	
兒童言語與語言障礙學個案研究	Case Studies of Speech and Language Disorders in Children	選修 Elective	1	0	1	
必修學分合計 Required Credits in Total			24	11	13	

體育	Physical Education	必修 Required	1	1	0	共同教育課程 體育中心開課 Common Courses Provided by Physical Education Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 體育中心開課 Common Courses Provided by Physical Education Center

第三學年

3rd Academic 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
幼兒聽力學	Pediatric Audiology	必修 Required	3	3	0	
進階臨床聽力學	Advanced Clinical Audiology	必修 Required	2	2	0	
人工耳蝸學	Cochlear Implant	必修 Required	2	2	0	
聽語障礙實習(一)	Practicum in Communicative Disorders(I)	必修 Required	2	2	0	
聽覺輔具原理與實務學 (一)	Principles and Practices in Amplification (I)	必修 Required	2	2	0	
內耳前庭功能評量與復健	Assessment and Rehabilitation of Vestibular Function	必修 Required	2	2	0	
聽覺電生理學(一)	Auditory Electrophysiology (I)	必修 Required	2	2	0	
聽力學專業與倫理	Professional Issues and Ethics in Audiology	必修 Required	1	1	0	
內耳前庭功能評量與復健實習	Practice in Assessment and Rehabilitation of Vestibular Function	必修 Required	1	1	0	
幼兒聽力學實務論	Clinical Application in Pediatric Audiology	必修 Required	1	1	0	
聽能復健學	Aural Rehabilitation	必修 Required	3	0	3	
聽語障礙實習(二)	Practicum in Communicative Disorders(II)	必修 Required	2	0	2	
聽覺輔具原理與實務學 (二)	Principles and Practices in Amplification (II)	必修 Required	2	0	2	
聽覺障礙學實務論	Clinical Application in Hearing Disorders	必修 Required	2	0	2	
聽力障礙實習總論	General Principles of Clinical Practicum in Hearing Disorders	必修 Required	2	0	2	
聽覺電生理學(二)	Auditory Electrophysiology(II)	必修 Required	2	0	2	
聽覺障礙學(二)	Hearing Disorders (II)	選修 Elective	2	0	2	
聽覺障礙個案研究	Case Studies of Hearing Disorders	選修 Elective	1	0	1	
必修學分合計 Required Credits in Total			31	18	13	

第 四 學 年

4th Academic 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
聽力學實習(一)	Audiology Practice (I)	必修 Required	9	(9)	(9)	
聽力學實習(二)	Audiology Practice (II)	必修 Required	9	(9)	(9)	
必修學分合計 Required Credits Subtotal			18			

最低畢業學分數 **128** 學分，必修 **95** 學分，通識 **20** 學分，體育 **4** 學分，選修 **9** 學分

The minimum of graduation credits obtained is **128** credits, including compulsory **95** credits, general education **20** credits, physical education **4** credits, and elective **9** credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分 (醫資系除外，需 16 學分)。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

 - 1) Fundamental General Education Courses: These are mandatory, 6 credits in total. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."
 - 2) Liberal Arts General Education Courses: These are also mandatory, 14 credits in total (including 16 credits for the Department of Medical Informatics). The courses contain four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."
- 學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.

第 四 學 年

4th Academic 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
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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 3) courses included in the General Education Curriculum.</p>					
6.	<p>第一至第三學年之所有系上必修科目均擋修第四學年之必修臨床實習。</p> <p>All required departmental courses from the first to the third year will block students from taking the required clinical practicum in the fourth year.</p>					
7.	<p>聽力組學生在三年級第 2 學期「聽覺障礙學實務論」課程中，須通過實習能力檢定考。</p> <p>Students in the Audiology group must pass the Practicum Competency Assessment during the second semester of their third year in the course " Clinical Application in Hearing Disorders ".</p>					

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

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences, College of Medical Science and Technology

第一學年

1stAcademic Year

科目名稱	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
普通生物學(一)	General Biology(I)	必修 Required	3	3	0	
普通生物學(二)	General Biology(II)	必修 Required	3	0	3	
普通生物學實驗	General Biology Laboratory	必修 Required	1	0	1	
普通化學	General Chemistry	必修 Required	2	2	0	
書報討論(一)	Discussion in Literature(I)	必修 Required	1	1	0	
生物統計學	Biostatistics	必修 Required	2	2	0	
書報討論(二)	Discussion in Literature(II)	必修 Required	1	0	1	
電腦資訊與生醫科學	Computer Information for Biomedical Science	必修 Required	2	0	2	
有機化學	Organic Chemistry	必修 Required	2	0	2	
有機化學實驗	Organic Chemistry Laboratory	必修 Required	1	0	1	
普通物理學	General Physics	選修 Elective	2	2	0	
普通化學實驗	General Chemistry Laboratory	選修 Elective	1	1	0	
生技醫藥產業職務探索	Job Exploration in Biopharmaceutical Industry	選修 Elective	2	2	0	
生醫科學計算	Calculations in Biomedical Sciences	選修 Elective	2	0	2	專業選修 Professional electives
Python 程式設計	Python Programming	選修 Elective	2	0	2	
生物醫學研究導論	Introduction to Research in Biomedical Sciences	選修 Elective	1	0	1	專業選修 Professional electives
必修學分合計 Required Credits Subtotal			18	8	10	

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	0	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

第二學年 2nd Academic Year						
科目名稱	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
細胞生物學	Cell Biology	必修 Required	3	3	0	
細胞生物學實驗	Cell Biology Laboratory	必修 Required	1	1	0	
生物化學	Biochemistry	必修 Required	2	2	0	
生醫生物化學	Biomedical Biochemistry	必修 Required	2	0	2	
生物化學實驗	Biochemistry Laboratory	必修 Required	1	1	0	
生理學(一)	Physiology(I)	必修 Required	2	2	0	
生理學(二)	Physiology(II)	必修 Required	2	0	2	
生理學實驗	Physiology Laboratory	必修 Required	1	0	1	
書報討論(三)	Discussion in Literature(III)	必修 Required	1	1	0	

第二學年 2nd Academic Year						
科目名稱	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
書報討論(四)	Discussion in Literature(IV)	必修 Required	1	0	1	
遺傳學	Genetics	必修 Required	3	0	3	
分子生物學	Molecular Biology	必修 Required	3	0	3	
分子生物學實驗	Molecular Biology Laboratory	必修 Required	1	0	1	
專題研究實驗(一)	Research on Special Topics-Laboratory Practice(I)	選修 Elective	2	2	0	
專題研究實驗(二)	Research on Special Topics-Laboratory Practice(II)	選修 Elective	2	0	2	
生醫學生的職涯規劃	Career Planning for Biomedical Students	選修 Elective	1	1	0	專業選修 Professional electives
大數據分析	Big Data Analysis	選修 Elective	2	2	0	
公共衛生學	Introduction to Public Health	選修 Elective	2	2	0	
藥物質譜分析技術	Mass Spectrometry for Drug Testing	選修 Elective	2	2	0	
生物資訊學原理	Principle of Bioinformatics	選修 Elective	2	2	0	專業選修 Professional electives
生醫藥妝品學與技術	Biomedical Cosmeceuticals and Technology	選修 Elective	2	0	2	專業選修 Professional electives
人工智慧與機器學習實務 應用	Introduction to Artificial Intelligence and Machine Learning	選修 Elective	2	0	2	
檢測試劑開發概論	Introduction of diagnostic reagents development	選修 Elective	1	0	1	
生態學	Ecology	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			23	10	13	

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

第三學年 3rd Academic Year						
科目名稱	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
發育生物學	Developmental Biology	必修 Required	2	2	0	
生物資訊學	Bioinformatics	必修 Required	2	2	0	
微生物學及免疫學	Microbiology & Immunology	必修 Required	4	2	2	
微生物學及免疫學實驗	Microbiology & Immunology Laboratory	必修 Required	2	1	1	
人類遺傳學	Human Genetics	必修 Required	2	2	0	
文獻討論(一)	Seminar(I)	必修 Required	1	1	0	
文獻討論(二)	Seminar(II)	必修 Required	1	0	1	
神經生物學	Neurobiology	必修 Required	3	0	3	
生物技術學(一)	Biotechnology (I)	必修 Required	2	0	2	
分子遺傳學	Molecular Genetics	必修 Required	3	0	3	
專題研究實驗(三)	Research on Special Topics-Laboratory Practice(III)	選修 Elective	2	2	0	
專題研究實驗(四)	Research on Special Topics-Laboratory Practice(IV)	選修 Elective	2	0	2	
生技單元操作實驗(一)	Unit Operation Experiment in Biotechnology(I)	選修 Elective	2	2	0	
生技單元操作實驗(二)	Unit Operation Experiment in Biotechnology(II)	選修 Elective	2	0	2	

第三學年

3rd Academic Year

科目名稱	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
刑事鑑識概論	Introduction to Forensic Science	選修 Elective	2	2	0	專業選修 Professional electives
生物製藥概論	Introduction to Biopharmaceuticals	選修 Elective	2	2	0	
腫瘤生物學	Cancer Biology	選修 Elective	2	2	0	
藥物化學概論	Introduction to Medicinal Chemistry	選修 Elective	2	2	0	
生醫蛋白質體學概論	Introduction to Proteomics in Biomedical Sciences	選修 Elective	2	2	0	
酵素學	Enzymology	選修 Elective	2	0	2	專業選修 Professional electives
幹細胞醫學	Stem Cell Medicine	選修 Elective	2	0	2	專業選修 Professional electives
必修學分合計 Required Credits Subtotal			22	10	12	

第四學年

4th Academic Year

科目名稱	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
生物醫學文獻討論(一)	Seminar in Biomedical Sciences(I)	必修 Required	1	1	0	
生物醫學文獻討論(二)	Seminar in Biomedical Sciences(II)	必修 Required	1	0	1	
生物技術學(二)	Biotechnology (II)	選修 Elective	2	2	0	專業選修 Professional electives
生技實習(一)	Practice in Biotechnology(I)	選修 Elective	2	2	0	
生技實習(二)	Practice in Biotechnology(II)	選修 Elective	2	2	0	
基因工程技術	Genetic Engineering	選修 Elective	2	2	0	
藥理學概論	Introduction to Pharmacology	選修 Elective	2	0	2	

第 四 學 年

4th Academic Year

科目名稱	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
實驗動物醫學概論	Introduction to Laboratory Animal Medicine	選修 Elective	2	0	2	
老化分子機制	Molecular Mechanism of Aging	選修 Elective	2	0	2	專業選修 Professional electives
生物科技與生活	Biotechnology and Life	選修 Elective	2	0	2	
分子與生命	Molecules and Life	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			2	1	1	
<p>最低畢業學分數 128 學分，必修 65 學分，通識 20 學分，體育 4 學分，選修 39 學分</p> <p>Minimum graduation credits: 128 credits, compulsory 65 credits, general education 20 credits, physical education 4 credits, elective 39 credits</p>						
說明 Instructions :						
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。包括：「醫學人文領域通識」、「學群通識」等課程。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits. They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain. The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					

第 四 學 年

4th Academic Year

科目名稱	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
3.	學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。					Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.
4.	學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。					Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.
5.	增加: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。					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.
6.	至少選修 6 學分專業選修課程，始得畢業。					At least 6 credits of professional elective courses must be taken for graduation.
7.	為強化學生銜接學術研究及就業的競爭力，本系學士班學生於畢業前，必須至少選修一門專業實務能力養成進階課程且成績及格。專業實務能力養成進階課程包括「專題研究實驗(一)(二)(三)(四)」，至少擇一學期即可」、「生技單元操作實驗(一)(二)，至少擇一學期即可」、「生技實習(一)(二)，至少擇一即可」，始得畢業。本項目之學分不列入本系專業選修 8 學分計算。					Students are required to take at least one advanced practical skills development course and pass it before graduation to enhance their academic research and employment competitiveness. Courses include "Research Experiment (I)(II)(III)(IV)," "Biotechnology Unit Operation Experiment (I)(II)," and "Biotechnology Internship (I)(II)." These credits are not part of the professional elective 8-credit calculation.
8.	學生修 coursera 課程(https://www.coursera.org)修畢取得修課學分證明，至多抵 4 選修學分。					Completion of Coursera courses with a credit certification can substitute for up to 4 elective credits. This summary highlights the academic expectations and requirements that students must fulfill to graduate from the university.

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

醫學科技學院視光學系

Department of Optometry, College of Medical Science and Technology

第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
普通生物學 (一)	General Biology (I)	必修 Required	2	2	0	
生理學	Physiology	必修 Required	2	2	0	
幾何光學	Geometric Optics	必修 Required	2	2	0	
幾何光學實驗	Geometric Optics Laboratory	必修 Required	1	1	0	
普通生物學 (二)	General Biology (II)	必修 Required	2	0	2	
視光學 (一)	Optometry (I)	必修 Required	2	0	2	
眼球解剖生理 (一)	Ocular Anatomy and Physiology (I)	必修 Required	2	0	2	
※視光學實驗 (一)	Optometric Laboratory (I)	必修 Required	1	0	1	
生理光學 (一)	Physiological Optics (I)	必修 Required	2	0	2	
視覺科學導論 (一)	Introduction to Visual Science (I)	選修 Elective	2	2	0	
視光學概論	Introduction to Optometry	選修 Elective	2	2	0	
普通物理學	Physics	選修 Elective	2	2	0	
視覺科學導論(二)	Introduction to Visual Science (II)	選修 Elective	2	0	2	
驗光法規與倫理	Optometry General Regulations and Ethics	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			16	7	9	

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
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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 通識中心開課 Common Education Courses Provided by General Studies Center
體育	Physical Education	必修 Required	1	0	1	共同教育課程 通識中心開課 Common Education Courses Provided by General Studies Center

第 二 學 年

2nd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	必修 Required	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
眼球解剖生理 (二)	Ocular Anatomy and Physiology (II)	必修 Required	2	2	0	
※視光學實驗 (二)	Optometric Laboratory (II)	必修 Required	1	1	0	
視光學 (二)	Optometry (II)	必修 Required	2	2	0	
視覺知覺學	Visual Perception	必修 Required	2	2	0	
生理光學 (二)	Physiological Optics (II)	必修 Required	2	2	0	
生物化學 (一)	Biochemistry (I)	必修 Required	2	2	0	
眼鏡光學	Ophthalmic Optics	必修 Required	2	0	2	
※視光學實驗 (三)	Optometric Laboratory (III)	必修 Required	1	0	1	
視光學 (三)	Optometry (III)	必修 Required	2	0	2	
生物化學 (二)	Biochemistry (II)	必修 Required	2	0	2	
專題研究 (一)	Independent Study (I)	選修 Elective	2	2	0	
藥理學	Pharmacology	選修 Elective	2	2	0	

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
色彩視覺與立體視覺	Color and Stereopsis Vision	選修 Elective	2	0	2	
專題研究 (二)	Independent Study (II)	選修 Elective	2	0	2	
視覺健康食品生技	Biotechnology of Vision Health Foods	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			18	11	7	

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

第三學年 3rd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
隱形眼鏡學	Contact Lens	必修 Required	4	2	2	
※隱形眼鏡學實驗	Contact Lens Laboratory	必修 Required	2	1	1	
配鏡學	Ophthalmic Lens Dispensing	必修 Required	2	2	0	
※配鏡學實驗	Ophthalmic Lens Dispensing Laboratory	必修 Required	2	2	0	
※臨床視光學實驗	Clinical Optometry Laboratory	必修 Required	1	1	0	
眼科學	Ophthalmology	必修 Required	2	0	2	
低視力學	Low Vision	必修 Required	2	0	2	
雙眼視覺學	Binocular Vision	必修 Required	2	0	2	
專題研究 (三)	Independent Study (III)	選修 Elective	2	2	0	
幼兒視光	Child Optometry	選修 Elective	2	2	0	
視光檢查技巧與分析	Optometric examination skill and	選修 Elective	1	1	0	

第 三 學 年

3rd 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
	interpretation					
專題研究(四)	Independent Study (IV)	選修 Elective	2	0	2	
視覺研究方法與設計	Methodology and Design in Vision Science	選修 Elective	2	0	2	
隱形眼鏡個案專題討論	Seminar in Contact Lens Case Conference/Report	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			17	8	9	

第 四 學 年

4th 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
臨床視光學	Clinical Optometry	必修 Required	2	(2)	(2)	
眼視光實習(一)	Practicum in Optometry (I)	必修 Required	8	(8)	(8)	
眼視光實習(二)	Practicum in Optometry (II)	必修 Required	8	(8)	(8)	
功能性視覺評估	Functional Vision Assessment	必修 Required	2	(2)	(2)	
視覺訓練臨床基礎	Basic Theories of Vision Training	選修 Elective	2	(2)	(2)	
視光產業儀器學	Optical Industry Instrumentation	選修 Elective	2	(2)	(2)	
視光產業與行銷	Industry and Marketing in Optometry	選修 Elective	2	(2)	(2)	
眼科藥劑暨藥物治療學	Ophthalmic Pharmacy and Pharmacology	選修 Elective	2	(2)	(2)	
必修學分合計 Required Credits Subtotal			20			

最低畢業學分數學分 128 學分，必修 71 學分，通識學 20 分，體育 4 學分，選修 33 學分

Minimum graduation credits: 128 credits, compulsory 71 credits, general education 20 credits, physical education 4 credits, elective 33 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務

	<p>學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits. They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>
5.	<p>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>
6.	<p>擋修課程以※標註，凡標有※任何一科不及格者，擋修「眼視光實習(一)」及「眼視光實習(二)」。</p> <p>Must complete the prerequisite courses in mark ※. Those who fail any of the subjects marked with ※ will be blocked from 「Practicum in Optometry (I)」 and 「Practicum in Optometry (II)」</p>
7.	<p>依本系實習辦法規定，未符合實習資格者，擋修第四學年之眼視光實習(一)及眼視光實習(二)。</p> <p>According to the internship guidelines of this department, those who do not complete the internship qualifications will be blocked from 「Practicum in Optometry (I)」 and 「Practicum in Optometry (II)」 in the fourth academic year.</p>

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

醫學科技學院視光學系二年制在職專班

Department of Optometry, Two-year Program 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
生理學光學	Physiology	必修 Required	2	2	0	
視光學(一)	Optometry (I)	必修 Required	2	2	0	
※視光學實驗(一)	Optometric Laboratory (I)	必修 Required	1	1	0	
眼球解剖生理(一)	Ocular Anatomy and Physiology(I)	必修 Required	2	0	2	
視光學(二)	Optometry (II)	必修 Required	2	0	2	
※視光學實驗(二)	Optometric Laboratory (II)	必修 Required	1	0	1	
眼鏡光學	Ophthalmic Optics	必修 Required	2	0	2	
配鏡學	Ophthalmic Lens Dispensing	必修 Required	2	0	2	
※配鏡學實驗	Ophthalmic Lens Dispensing Laboratory	必修 Required	2	0	2	
視光學概論	Introduction to Optometry	選修 Elective	2	2	0	
視光英文導讀	Optometry English	選修 Elective	2	2	0	
生理學	Physiology	選修 Elective	2	2	0	
鏡片鍍膜學概論	Introduction to Lens Coating	選修 Elective	2	0	2	
視覺健康食品生技	Biotechnology of Vision Health Foods	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			16	5	11	

第二學年

2nd 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
隱形眼鏡學	Contact Lens	必修 Required	4	2	2	

第二學年
2nd 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
※隱形眼鏡學實驗	Contact Lens Laboratory	必修 Required	2	1	1	
視光學(三)	Optometry (III)	必修 Required	2	2	0	
※視光學實驗(三)	Optometric Laboratory (III)	必修 Required	1	1	0	
低視力學	Low Vision	必修 Required	2	2	0	
眼球解剖生理(二)	Ocular Anatomy and Physiology (II)	必修 Required	2	2	0	
眼科學	Ophthalmology	必修 Required	2	0	2	
雙眼視覺學	Binocular Vision	必修 Required	2	0	2	
※臨床視光學實驗	Clinical Optometry Laboratory	必修 Required	1	0	1	
生物統計學	Biostatistics	選修 Elective	2	2	0	
色彩視覺與立體視覺	Color and Stereopsis Vision	選修 Elective	2	2	0	
運動視覺學	Sport Vision	選修 Elective	2	2	0	
環境視覺學	Environmental Vision	選修 Elective	2	0	2	
視覺研究方法與設計	Methodology and Design in Vision Science	選修 Elective	2	0	2	
幼兒視光	Child Optometry	選修 Elective	2	0	2	
視光檢查技巧與分析	Optometric examination skill and interpretation	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			18	10	8	

第三學年
3rd 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
眼視光實習(一)	Practicum in Optometry (I)	必修 Required	8	(8)	(8)	
眼視光實習(二)	Practicum in Optometry (II)	必修 Required	8	(8)	(8)	
臨床視光學	Clinical Optometry	必修 Required	2	(2)	(2)	
驗光法規與倫理	Optometry general regulations and ethics	必修 Required	2	(2)	(2)	

第 三 學 年

3rd 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
低視力輔具的教導與使用	Low Vision Assistive Devices Training	選修 Elective	2	(2)	(2)	
視光產業儀器學	Optical Industry Instrumentation	選修 Elective	2	(2)	(2)	
必修學分合計 Required Credits Subtotal			20			
<p>最低畢業學分數學分 72 學分，必修 54 學分，選修 18 學分</p> <p>Minimum graduation credits: 72 credits, compulsory 54 credits, elective 18 credits</p>						
說明 Instructions :						
1.	<p>擋修課程以※標註，凡標有※任何一科不及格者，擋修「眼視光實習(一)」及「眼視光實習(二)」。</p> <p>Must complete the prerequisite courses in mark ※. Those who fail any of the subjects marked with ※ will be blocked from 「 Practicum in Optometry (I)」 and 「 Practicum in Optometry (II)」</p>					
2.	<p>依本系實習辦法規定，未符合實習資格者，擋修第三學年之眼視光實習(一)及眼視光實習(二)。</p> <p>According to the internship guidelines of department, those who do not complete the internship qualifications will be blocked from 「 Practicum in Optometry (I)」 and 「 Practicum in Optometry (II)」 in the third academic year..</p>					
3.	<p>跨部選修依據中山醫學大學學生選課辦法第十二條規定辦理。</p> <p>Inter-department electives are handled in accordance with Article 12 of the Course Selection Procedures for Students of Chung Shan Medical University.</p>					

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

醫學科技學院醫學影像暨放射科學系

Department of Medical Imaging and Radiological Sciences, College of Medical Science and Technology

第一學年						
1 st Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	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
解剖學	Human Anatomy	必修 Required	2	2	0	
普通物理學	General Physics	必修 Required	2	2	0	
微積分	Calculus	必修 Required	2	2	0	
醫學影像原理	Principles of Medical Imaging	必修 Required	2	2	0	
醫用英文	English for Medical Professionals	必修 Required	2	2	0	
普通生物學(一)	General Biology (I)	必修 Required	2	2	0	
生理學	Physiology	必修 Required	2	0	2	
應用數學(一)	Applied Mathematics(I)	必修 Required	2	0	2	
醫學影像傳輸系統	Pictures Archiving and Communication Systems	必修 Required	2	0	2	
普通生物學(二)	General Biology (II)	必修 Required	2	0	2	
普通物理學實驗	General Physics Laboratory	必修 Required	1	0	1	
生理學實驗	Physiology Laboratory	必修 Required	1	0	1	
普通化學	General Chemistry	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			22	12	10	

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

第二學年 2 nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
放射物理學	The Physics of Radiology	必修 Required	4	2	2	
輻射安全學	Radiation Protection	必修 Required	2	2	0	
超音波技術學	Ultrasonography Technology	必修 Required	2	2	0	
放射生物學	Radiobiology	必修 Required	2	2	0	
切面解剖學	Sectional Anatomy	必修 Required	2	2	0	
生物統計應用軟體實務	Biostatistics Application Software Practice	必修 Required	2	2	0	
臨床見習	Clinical Observation	必修 Required	1	1	0	
放射化學	Radiochemistry	必修 Required	2	0	2	
醫學影像處理	Medical Image Processing	必修 Required	2	0	2	
放射腫瘤學	Radiation Oncology	必修 Required	2	0	2	
放射藥品學	Radiopharmaceuticals	必修 Required	2	0	2	
醫學影像病理學	Medical Imaging Pathology	必修 Required	2	0	2	
醫學影像處理實驗	Medical Image Processing Laboratory	必修 Required	1	0	1	
超音波技術學實驗	Ultrasonography Technology Laboratory	必修 Required	1	0	1	

第二學年

2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	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
專題研究（一）	Independent Study (I)	選修 Elective	2	2	0	
MATLAB 程式設計	MATLAB Programming	選修 Elective	2	2	0	
生醫影像與資訊處理	Biomedical Image and Information Processing	選修 Elective	2	2	0	
生物化學	Biochemistry	選修 Elective	2	0	2	
專題研究（二）	Independent Study (II)	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			27	13	14	

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

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	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
醫學物理	Medical Physics	必修 Required	2	2	0	
核子醫學原理及儀器學	Principle and Instrumentation of Nuclear Medicine	必修 Required	2	2	0	
磁振原理及儀器學	Principle of MRI and Instruments	必修 Required	2	2	0	
放射治療儀器學	Instrumentation of Radiation Therapy	必修 Required	2	2	0	
電腦斷層掃描原理與技術學	Principle and Technology of Computed Tomography	必修 Required	2	2	0	
放射診斷攝影原理與設備學	Principle and Instrumentation of Radiography	必修 Required	2	2	0	
輻射度量	Radiation Measurement	必修 Required	1	1	0	
放射診斷攝影原理與設備學實驗	Principle and Instrumentation of Radiography Laboratory	必修 Required	1	1	0	
書報討論	Discussion in Literature	必修 Required	2	0	2	

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	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
核子醫學技術學	Nuclear Medicine Technology	必修 Required	2	0	2	
放射治療技術學	Radiation Therapy Technology	必修 Required	2	0	2	
磁共振技術學	Technology of Magnetic Resonance Imaging	必修 Required	2	0	2	
放射線特殊攝影技術學	Special Radiographic Technology	必修 Required	2	0	2	
放射診斷攝影技術學	Technology of Radiography	必修 Required	2	0	2	
醫學影像臨床英文	Clinical English of Medical Imaging	必修 Required	1	0	1	
放射診斷攝影技術學實驗	Technology of Radiography Laboratory	必修 Required	1	0	1	
藥理學	Pharmacology	選修 Elective	2	2	0	
保健物理學	Health Physics	選修 Elective	2	2	0	
專題研究(三)	Independent Study (III)	選修 Elective	1	1	0	
心臟超音波技術學	Cardiac Ultrasound Technology	選修 Elective	2	0	2	
醫學影像人工智慧基礎實作	Basic Implementation of Artificial Intelligence in Medical Imaging	選修 Elective	2	0	2	
核子醫學技術學實驗	Nuclear Medicine Technology Laboratory	選修 Elective	1	0	1	
放射治療技術學實驗	Radiation Therapy Technology Laboratory	選修 Elective	1	0	1	
專題研究(四)	Independent Study (IV)	選修 Elective	1	0	1	
核子醫學技術學問題導向學習	Nuclear Medicine technology PBL	選修 Elective	1	0	1	
醫學影像重建與 3D 列印技術應用	Medical image reconstruction and 3D printing technology application	選修 Elective	1	0	1	
醫學影像產業應用	Medical imaging industry applications	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			28	14	14	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
醫學影像診斷技術學實習(含一般X光、牙科攝影、C T、MR I、U S、輻射安全)	Practicum in Diagnosis Medical Imaging Techniques (Including General X-ray, Dental Radiography, Computed Tomography, Magnetic Resonance Imaging, Ultrasound, Radiation Safety)	必修 Required	7	7	0	
放射治療技術學實習(含臨床放射治療、治療劑量與計畫、模具製作與模擬攝影)	Practicum in Radiation Therapy Techniques (Including Clinical Radiotherapy, Radiotherapy Dosage and Planning, Model Setting and Simulation Setting)	必修 Required	3	3	0	
核子醫學技術學實習(含核醫造影、R I A、核醫藥物、放射性同位素治療)	Practicum in Nuclear Medicine Techniques(Including Nuclear Medicine Imaging Echniques, Radioimmunoassay, Nuclear Medicine Pharmacology, Radioisotope Therapy)	必修 Required	3	3	0	
醫事放射倫理	Medical Radiologist Ethics	必修 Required	1	0	1	
醫學影像診斷學	Medical Imaging Diagnosis	選修 Elective	2	0	2	
放射診斷影像技術品質保證	Quality Assurance in Diagnostic Imaging Techniques	選修 Elective	2	0	2	
輻射劑量學	Radiation Dosimetry	選修 Elective	2	0	2	
放射治療技術品質保證	Quality Assurance in Radiation Therapy Techniques	選修 Elective	2	0	2	
核子醫學劑量學	Nuclear Medicine Dosimetry	選修 Elective	2	0	2	
磁共振學特論	Special Topics in Magnetic Resonance	選修 Elective	2	0	2	
電腦斷層攝影特論	Special Topics in Computed Tomography	選修 Elective	2	0	2	
醫學物理特論	Special Topics in Medical Physics	選修 Elective	2	0	2	
核子醫學技術品質保證	Quality Assurance in Nuclear Medicine Techniques	選修 Elective	2	0	2	
輻射防護法規	Ionizing Radiation Protection Act	選修 Elective	2	0	2	
醫療器材設計與開發	Design and development of medical device	選修 Elective	2	0	2	
超音波品質保證	Quality Assurance of Ultrasound	選修 Elective	1	0	1	
必修學分合計			14	13	1	
最低畢業學分數 128 學分，必修 91 學分，通識 20 學分，體育 4 學分，選修 13 學分 Minimum graduation credits: 128 credits, compulsory 91 credits, general education 20 credits, physical education 4 credits, elective 13 credits						
說明 Instructions :						

第 四 學 年

4th Academic 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
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個領域，每個領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					

第 四 學 年

4th Academic 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
5.	<p>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>					

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

健康管理學院

College of Health Care and Management

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
新創體驗基礎	Startup Experience	選修 Elective	2	2	0	
創意與創新實作	Creation and Innovation Practice	選修 Elective	2	2	0	
高齡營養與健康照護產業	Nutrition and Health Care Industry for the Aging	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
精準營養與高齡健康促進	Precision Nutrition, Health Promotion and Innovation	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡營養與保健食品	Nutrition and Health Supplements for the Aging	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡健康與營養照護	Healthy Aging and Nutritional Care	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡飲食之食品安全與保健	Food Safety and Health in Aging Diet	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡社會與健康科技創新創業	Innovation and Entrepreneurship in Aging Society and Health Technology	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡餐飲跨域創新、思考及行銷應用	Cross-Domain Innovation, Thinking, and Marketing Application of Catering for the Aging	選修 Elective	2	2	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
高齡食品創新實作	Aging Food Innovation Practical Course	選修 Elective	1	1	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses

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
高齡食品創新產業實習	Internship in the Aging Food Innovation Industry	選修 Elective	1	1	0	精準健康計畫 暑期上課 Ministry of Education program Summer courses
醫藥新聞暨媒體溝通	Medical News and Media Communication	選修 Elective	2	2	0	
健康產業的設計思考學	Design Thinking in the Health Industry	選修 Elective	2	2	0	
創新創業論壇	Innovation and Entrepreneurship Forum	選修 Elective	2	2	0	
虛擬實境與健康實作	Virtual Reality and Health Practice	選修 Elective	3	0	3	
健康傳播	Health Communication	選修 Elective	2	0	2	
商業智慧與個人成長	Business Wisdom and Personal Growth	選修 Elective	2	0	2	
新創初體驗	Startup Experience	選修 Elective	2	0	2	
樂齡科技	Gerontechnology	選修 Elective	2	0	2	
智慧健康創作	Smart Health Practice	選修 Elective	2	0	2	
虛擬實境與健康	Virtual Reality and Health	選修 Elective	2	0	2	
永續發展與經營管理	Sustainable Development and Management	選修 Elective	2	(2)	(2)	

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

健康管理學院營養學系

Department of Nutrition, College of Health Care and Management

第一學年 1 st Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
營養暨食品科技概論	Introduction to Nutrition and Food Science	必修 Required	2	2	0	
普通化學暨實驗	Chemistry General Chemistry & Experiments of General	必修 Required	2	2	0	
有機化學暨實驗	Introduction to Organic Chemistry and Lab	必修 Required	2	2	0	
普通生物學	General Biology	必修 Required	2	0	2	
食物學原理	Principles of Food	必修 Required	2	0	2	
分析化學暨實驗	Analytical Chemistry & Experiments of Analytical Chemistry	必修 Required	2	0	2	
普通生物學實驗	General Biology Laboratory	必修 Required	1	0	1	
食物學原理實驗	Principles of Food Laboratory	必修 Required	1	0	1	
解剖學	Human Anatomy	選修 Elective	2	2	0	
營養職涯	Careers for Nutritionists and Dieticians	選修 Elective	2	2	0	
運動營養學概論	Introduction to Sports Nutrition	選修 Elective	2	2	0	
蔬果營養與健康	Health Concepts of Vegetables and Fruits	選修 Elective	2	0	2	
營養推廣實務	Nutrition Promotion Practices	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			14	6	8	

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	0	2	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 Centre
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 Centre
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

第 二 學 年 2nd Academic Year						
科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
營養學	Nutrition	必修 Required	4	2	2	
生理學	Physiology	必修 Required	2	2	0	
生物統計學	Biostatistics	必修 Required	2	2	0	
生物化學(一)	Biochemistry(I)	必修 Required	2	2	0	
營養學實驗	Nutrition Laboratory	必修 Required	2	1	1	
生物化學實驗	Biochemistry Laboratory	必修 Required	1	1	0	
生理學實驗	Physiology Laboratory	必修 Required	1	1		
營養實習-基礎	Practicum in Dietetic - Basic	必修 Required	1	1	0	
食品微生物學暨實驗	Food Microbiology & Food Microbiology Laboratory	必修 Required	3	0	3	
食品化學	Food Chemistry	必修 Required	2	0	2	
生物化學(二)	Biochemistry(II)	必修 Required	2	0	2	
食品化學實驗	Food Chemistry Laboratory	必修 Required	1	0	1	
膳食設計管理暨實驗	Meal Planning and Management Laboratory	必修 Required	1	0	1	
文獻導讀	Introduction to Scientific Literature Reading	選修 Elective	2	2	0	

第二學年
2nd 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
營養教育	Nutritional Education	選修 Elective	2	2	0	
點心製作	Dessert Preparation	選修 Elective	2	2	0	
脂肪與疾病	Lipid and Diseases	選修 Elective	2	2	0	
嬰幼兒期營養與膳食	Nutrition and Meal Design in Infant and Early Childhood	選修 Elective	2	2	0	
營養與老化	Nutrition and Aging	選修 Elective	2	2	0	
臨床資料分析入門	Introduction to Clinical Data Analysis	選修 Elective	2	2	0	
病理學	Pathology	選修 Elective	2	0	2	
運動營養學	Sport Nutrition	選修 Elective	2	0	2	
慢性病與營養	Chronic Diseases and Nutrition	選修 Elective	2	0	2	
營養午餐設計與規劃	Design and Management of Nutrition School Lunch	選修 Elective	2	0	2	
醣類代謝	Carbohydrate Metabolism	選修 Elective	2	0	2	
飲食資料分析與應用	Analysis of Food Information	選修 Elective	2	0	2	
營養與體重管理	Nutrition for Weight Management	選修 Elective	2	0	2	
專題研究(一)	Independent Study (I)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			24	12	12	

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

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
膳食療養學	Nutrition and Diet Therapy	必修 Required	6	3	3	
食品衛生與安全	Food Sanitation and Safety	必修 Required	3	3	0	
社區營養學	Nutrition in the Community	必修 Required	2	2	0	
團體膳食製備與管理	Quantity Food Production, Planning and Management	必修 Required	2	2	0	
膳食療養學實驗	Therapeutic Nutrition Laboratory	必修 Required	2	1	1	
食品衛生與安全實驗	Food Sanitation and Safety Laboratory	必修 Required	1	1	0	
團體膳食製備與管理實驗	Quantity Food Production, Planning and Management Laboratory	必修 Required	1	1	0	
生命期營養	Nutrition through the Life Cycle	必修 Required	3	0	3	
臨床營養	Clinical Nutrition	必修 Required	2	0	2	
營養評估	Nutrition Assessment	必修 Required	2	0	2	
重症營養	Nutrition in Critical Care	選修 Elective	2	2	0	
營養化學	Nutritional Chemistry	選修 Elective	2	2	0	
營養與癌症	Nutrition & Cancer	選修 Elective	2	2	0	
糖尿病概論	Introduction to Diabetes Mellitus	選修 Elective	2	2	0	
臨床營養實務	Practice Training for Hospital Dietitian-basic	選修 Elective	2	2	0	
老人營養概論	Introduction to Elderly Nutrition	選修 Elective	2	2	0	
管灌營養	Enteral Nutrition	選修 Elective	2	0	2	
靜脈營養	Parenteral Nutrition	選修 Elective	2	0	2	
長期照護營養	Nutrition Therapy for Long Term Care	選修 Elective	2	0	2	
臨床試驗與報告	Clinical Trials and Reports	選修 Elective	2	0	2	
免疫學概論	Introduction to Immunology	選修 Elective	2	0	2	
臨床案例分析	Clinical Case Study	選修 Elective	2	0	2	
營養專業人員臨床技能演練與評量	OSCE (Objective Structured Clinical Examination) for Nutrition Professionals	選修 Elective	2	0	2	
專題研究 (二)	Independent Study (II)	選修 Elective	1	0	1	
必修學分合計	Required Credits Subtotal		24	13	11	

第 四 學 年

4th 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
食品加工	Food Processing	必修 Required	2	2	0	
食品加工實驗	Food Processing Laboratory	必修 Required	1	1	0	
專題討論(一)	Seminar(I)	必修 Required	1	1	0	
食品分析暨實驗	Food Analysis & Food Analysis Laboratory	必修 Required	3	0	3	
專題討論(二)	Seminar (II)	必修 Required	1	0	1	
營養實習-臨床營養	Practicum in Dietetic - Clinical Nutrition	選修 Elective	6	6	0	
營養與免疫	Nutrition and Immunity	選修 Elective	2	2	0	
營養生化	Nutritional Biochemistry	選修 Elective	2	2	0	
食品安全管制系統	Food Safety Control System	選修 Elective	2	2	0	
食物與藥物的相互作用	Interaction of Food and Drug	選修 Elective	2	0	2	
乳品學	Dairy	選修 Elective	2	0	2	
食品工廠管理	Food Factory Management	選修 Elective	2	0	2	
專題研究 (三)	Independent Study (III)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			8	4	4	
<p>最低畢業學分數 128 學分，必修 70 學分，通識 20 學分，體育 4 學分，選修 34 學分</p> <p>Minimum graduation credits: 128 credits, compulsory 70 credits, general education 20 credits, physical education 4 credits, elective 34 credits</p>						
說明 Instructions :						

第 四 學 年

4th 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
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal 「Chung Shan Medical University English Proficiency Test」 (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the 「Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University」 and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					

第 四 學 年

4th 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
<p>臨床實習選填辦法：</p> <p>實習前應修畢以下二個類別之各其中一門選修課程，方能申請實習。</p> <p>1、修畢二年級「文獻導讀」或三年級「臨床試驗與報告」之其中一門選修課程，方能申請實習。</p> <p>2、修畢三年級「營養專業人員臨床技能演練與評量」或三年級「臨床案例分析」之其中一門選修課程，方能申請實習。</p> <p>3、採計 1 至 3 年級上學期必修之總平均成績來排名(此總和分數以各科目之每學期成績乘以學分數後之總和計算)，若同分則依據「膳食療養學」成績排名；若仍同分再依「團體膳食製備與管理」成績排名；最後再依「營養學」成績。</p> <p>Clinical Internship Application Procedure :</p> <p>6. Before applying for an internship, students must complete one elective in each of the following two categories:</p> <p>1. Only those who have completed one of the following elective second-year courses, 「Introduction to Scientific Literature Reading」, or the third-year course, 「Clinical Trials and Reports」, can apply for the internship.</p> <p>2. Only those who have completed one of the following elective third-year courses, 「OSCE (Objective Structured Clinical Examination) for Nutrition Professionals」, or 「Clinical Case Study」, can apply for the internship.</p> <p>3. The ranking is based on the average grades from the required courses taken in the first to third years of study (calculated as the sum of each course's semester grade multiplied by its credit). In case of tie scores, priority will be given based on the grade in 「Nutrition and Diet Therapy」; if still tied, then based on 「Quantity Food Production, Planning and Management」; finally, based on 「Nutrition」 grades.</p>						
<p>7. 系選修至少須滿 20 學分，方可畢業。</p> <p>Students must complete a minimum of 20 credits of elective courses within their major to graduate.</p>						

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

健康管理學院公共衛生學系

Department of Public Health, College of Health Care and Management

第一學年						
1 st Academic 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
公共衛生導論	Introduction to Public Health	必修 Required	2	2	0	
管理學	Management	必修 Required	2	2	0	
人口學與公共衛生	Demography and Public Health	必修 Required	2	2	0	
生物統計學(一)	Biostatistics(I)	必修 Required	2	2	0	
環境科學概論	Introduction to Environmental Sciences	必修 Required	2	0	2	
環境衛生學(一)	Environmental Health(I)	必修 Required	2	0	2	
當代公共衛生議題	Current Public Health Issues	必修 Required	2	0	2	
流行病學(一)	Epidemiology(I)	必修 Required	2	0	2	
生物統計學(二)	Biostatistics (II)	必修 Required	2	0	2	
普通生物學	General Biology	選修 Elective	2	2	0	
普通化學	General Chemistry	選修 Elective	2	2	0	
環境數學	Environmental Mathematics	選修 Elective	2	2	0	
實驗室安全衛生	Laboratory Safety and Health Physics	選修 Elective	2	2	0	
居家害蟲防治技術	Home Pest Control Techniques	選修 Elective	2	2	0	
健康教育數位轉型入門	An Introduction to Digital Transformation of Health Education	選修 Elective	2	2	0	
公衛新聞報導技巧	Public Health News Reporting Skills	選修 Elective	2	2	0	
數位化衛生教育微學分	Digital Health Education Micro-credential	選修 Elective	1	1	0	
科學風水師跨域微學分(一)	Scientific Feng Shui Master Micro-credential (I)	選修 Elective	1	1	0	
有機化學	Organic Chemistry	選修 Elective	2	0	2	

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
水質檢驗	Water Analysis	選修 Elective	2	0	2	
全球變遷與公共衛生	Global Change and Public Health	選修 Elective	2	0	2	
公衛研究法概論	Introduction to Our Experience on Public Health	選修 Elective	2	0	2	
性教育與公共衛生	Sexuality Education and Public Health	選修 Elective	2	0	2	
醫學術語中的希臘語和拉丁語	Greek and Latin in Medical Terminology	選修 Elective	2	0	2	
普通生物學實驗	General Biology Laboratory	選修 Elective	1	0	1	
科學風水師跨域微學分(二)	Scientific Feng Shui Master Micro-credential (II)	選修 Elective	1	0	1	
數位化之醫藥健康記者微學分	Digital Health Reporter Micro-credential	選修 Elective	1	0	1	
必修學分合計			18	8	10	

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	0	2	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

第二學年

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
行為科學	Behavioral Science	必修 Required	2	2	0	
環境化學	Environmental Chemistry	必修 Required	2	2	0	
健康管理概論	Introduction to Health Administration	必修 Required	2	2	0	
環境衛生學(二)	Environmental Health(II)	必修 Required	2	2	0	
流行病學(二)	Epidemiology(II)	必修 Required	2	2	0	
衛生教育	Health Education	必修 Required	2	0	2	
生物統計實務	Biostatistics Practice	必修 Required	2	0	2	
流行病學實例討論	Case Study on Epidemiology	必修 Required	2	0	2	
公衛期刊論文導讀	Introduction to Public Health Journals	必修 Required	2	0	2	
心理衛生	Mental Health	選修 Elective	2	2	0	
健康經濟學	Health Economics	選修 Elective	2	2	0	
環境衛生害蟲概論	Introduction to the Environmental Health Pest	選修 Elective	2	2	0	
公共衛生微生物及免疫學	Public Health Microbiology and Immunology	選修 Elective	2	2	0	
環境污染與健康	Environmental Pollution and Health	選修 Elective	2	2	0	
飲用水管理	Drinking Water Management	選修 Elective	2	2	0	
污染傳輸與健康	Pollution Transport and Health	選修 Elective	2	2	0	
呼吸性傳染病與人體健康	Respiratory Infections and Human Health	選修 Elective	2	2	0	
傳染病實作微學分	Epidemic Survey of Infectious Diseases Micro-credential	選修 Elective	2	2	0	

第 二 學 年

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
生理學	Physiology	選修 Elective	2	0	2	
病媒管制學	Vectors Control	選修 Elective	2	0	2	
輻射安全	Radiation Safety	選修 Elective	2	0	2	
儀器分析	Principles of Instrumental Analysis	選修 Elective	2	0	2	
寄生蟲學	Parasitology	選修 Elective	2	0	2	
環境微生物學	Environmental Microbiology	選修 Elective	2	0	2	
環境資訊系統	Environmental Information	選修 Elective	2	0	2	
給水工程設計	Water Supply Engineering Design	選修 Elective	2	0	2	
病媒傳染病實作微學分	Epidemic Survey of Vector Borne Diseases Micro-credential	選修 Elective	2	0	2	
必修學分合計			18	10	8	

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

第 三 學 年

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
公共衛生行政	Public Health Administration	必修 Required	2	2	0	

第 三 學 年

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
傳染病防治	Illustrated and Management of Infectious Disease	必修 Required	2	2	0	
資料分析	Data Analysis	必修 Required	2	2	0	
室內空氣品質	Indoor Air Quality	必修 Required	2	2	0	
醫事與衛生法規	Medical and Hygiene Regulations	必修 Required	2	0	2	
社區保健	Community Health	必修 Required	2	0	2	
風險評估	Risk Assessment	必修 Required	2	0	2	
研究方法與研究設計實驗(一)	Research Methods and Design Internship (I)	必修 Required	2	0	2	
空氣污染	Air Pollution	必修 Required	2	0	2	
微生物學及免疫學	Microbiology & Immunology	選修 Elective	2	2	0	
生物化學	Biochemistry	選修 Elective	2	2	0	
生物偵測	Biological Monitoring	選修 Elective	2	2	0	
環境工程概論	Introduction to Environmental Engineering	選修 Elective	2	2	0	
健康保險	Health Insurance	選修 Elective	2	2	0	
婦幼衛生學	Maternal and Child Health	選修 Elective	2	2	0	
土壤污染與防治	Soil Pollution Prevention	選修 Elective	2	2	0	
固體廢棄物處理	Solid Waste Treatment	選修 Elective	2	2	0	
環境影響評估	Environment Impact Assessment	選修 Elective	2	2	0	
環境危害案例評析	Review in Environmental Hazards	選修 Elective	2	2	0	

第 三 學 年

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
大數據分析	Big Data Analysis	選修 Elective	2	2	0	
公害防治	Pollution Prevention	選修 Elective	2	0	2	
健康資訊學	Health Informatics	選修 Elective	2	0	2	
慢性病防治	Chronic Diseases Prevention and Management	選修 Elective	2	0	2	
藥物食品管制	Pharmaceuticals and Food Control	選修 Elective	2	0	2	
長期照護	Long-term Care	選修 Elective	2	0	2	
地下水污染防治	Groundwater Pollution Prevention	選修 Elective	2	0	2	
污水工程	Wastewater Engineering	選修 Elective	2	0	2	
空氣污染物分析	Analysis of Air Pollutants	選修 Elective	2	0	2	
環保行政與法規	Environmental Administration and Regulations	選修 Elective	2	0	2	
迴歸分析	Regression Analysis	選修 Elective	2	0	2	
環境衛生案例評析	Case Study of Environmental Health	選修 Elective	2	0	2	
資料分析與 SPSS 軟體應用	Data Analysis and Application Using SPSS	選修 Elective	2	0	2	
現代傳染病學	Modern Infectious Disease	選修 Elective	2	0	2	
必修學分合計			18	8	10	

第 四 學 年

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
公共衛生實習	Public Health Internship	必修 Required	3	3	0	
健康促進	Health Promotion	必修 Required	2	2	0	
研究方法與研究設計實驗(二)	Research Methods and Design Internship (II)	必修 Required	2	2	0	
醫療保健制度	Medical Treatment Delivery System	必修 Required	2	2	0	
論文研究	Seminar	必修 Required	2	0	2	
公共衛生綜論(一)	Synthesis Courses of Public Health (I)	選修 Elective	2	2	0	
老人專題研究	Gerontological Topic Research	選修 Elective	2	0	2	
公共衛生綜論(二)	Synthesis Courses of Public Health (II)	選修 Elective	2	0	2	
必修學分合計			11	9	2	
最低畢業學分數 128 學分，必修 65 學分，通識 20 學分，體育 4 學分，選修 39 學分 Minimum graduation credits: 128 credits, compulsory 65 credits, general education 20 credits, physical education 4 credits, elective 39 credits						
說明 Instructions :						

第 四 學 年

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
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					

第 四 學 年

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
5.	<p>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>					
6.	<p style="color: red;">選修中至少修習 20 學分是由公衛系開設的選修課。</p> <p style="color: red;">For students' elective courses, at least 20 credits must be taken from the electives offered by the Department of Public Health.</p>					

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

健康管理學院醫療產業科技管理學系

Department of Health Policy and Management, College of Health Care and Management

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
管理學	Management	必修 Required	3	3	0	
微積分	Calculus	必修 Required	4	2	2	
會計學	Accounting	必修 Required	4	2	2	
經濟學	Economics	必修 Required	2	2	0	
醫院管理實務	Hospital Management Practice	必修 Required	2	2	0	
套裝軟體 – MS EXCEL	Software Package - MS EXCEL	必修 Required	2	2	0	
醫療產業科技管理論壇	Health Industry Technology Management Forum	必修 Required	1	1	0	
組織行為	Organizational Behavior	必修 Required	3	0	3	
生理學	Physiology	必修 Required	2	0	2	
醫務管理概論	Introduction to Health Care Management	必修 Required	2	0	2	
醫療社會學	Medical Sociology	選修 Elective	2	2	0	
資訊管理學	Management Information System	選修 Elective	2	0	2	
全球化與健康	Globalization and Health	選修 Elective	2	0	2	全英語授課 Taught in English
科技經濟學	Economics of Science and Technology	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			25	14	11	

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
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程式語言	Programming Language	必修 Required	2	0	2	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

第 二 學 年

2nd Academic Year

科目名稱	英文科目名稱 Course	必修 Required	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
統計學	Statistics	必修 Required	4	2	2	
行動裝置程式設計	Mobile App Development	必修 Required	2	2	0	
臨床醫學概論	Introduction to Clinical Medicine	必修 Required	2	2	0	
醫療經濟學	Health Economics	必修 Required	2	2	0	
病歷與疾病管理	Medical Records and Diseases Management	必修 Required	2	2	0	
衛生醫療制度	Health Care System	必修 Required	3	0	3	
醫事與衛生法規	Medical and Hygiene Regulations	必修 Required	2	0	2	
人力資源管理	Human Resource Management	必修 Required	2	0	2	
研究方法與研究設計	Research Methods and Design	必修 Required	2	0	2	
衛生行政	Public Health Administration	必修 Required	2	0	2	
管理心理學	Management Psychology	選修 Elective	2	2	0	

第二學年 2nd Academic Year						
科目名稱	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
藥物管制與食品衛生	Drug Control and Food Hygiene	選修 Elective	2	2	0	
財務管理學	Financial Management	選修 Elective	2	2	0	
醫學術語中的希臘語和拉丁語	Greek and Latin in Medical Terminology	選修 Elective	2	2	0	全英語授課 Taught in English
醫療財務管理	Health Care Financial Management	選修 Elective	2	0	2	全英語授課 Taught in English
電子商務及醫療網路行銷	E-Commerce and Medical Internet Marketing	選修 Elective	2	0	2	
國際疾病分類	International Classification of Diseases	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			23	10	13	

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

第三學年 3rd Academic Year						
科目名稱	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
流行病學	Epidemiology	必修 Required	2	2	0	
健康保險	Health Insurance	必修 Required	2	2	0	
醫療管理會計	Healthcare Managerial Accounting	必修 Required	2	2	0	
醫療行銷管理	Healthcare Marketing Management	必修 Required	2	2	0	
社區照護管理	Community Care Management	必修 Required	2	2	0	
管理數學(一)	Management Mathematics(I)	必修 Required	2	2	0	

第三學年

3rd Academic Year

科目名稱	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
醫療品質管理	Healthcare Quality Management	必修 Required	2	0	2	
健康資料庫管理與分析	Healthcare Database Management and Analysis	必修 Required	2	0	2	
資材及供應鏈管理	Material and Supply Chain Management	必修 Required	2	0	2	
作業管理	Operation Management	必修 Required	2	0	2	
醫療產業政策分析	Health System Policy Analysis	必修 Required	2	0	2	
智慧醫院與精準醫療	Smart Hospital and Precision Medicine	選修 Elective	2	2	0	
人工智慧與物聯網之健康產業應用	AI and IoT Application in Healthcare Industry	選修 Elective	2	2	0	
智慧財產權法與醫療科技管理	Intellectual Property Right Regulation and Management of Healthcare Technology	選修 Elective	2	2	0	
統計軟體	Statistics Software	選修 Elective	2	0	2	
管理數學(二)	Management Mathematics(II)	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			22	12	10	

第四學年

4th Academic Year

科目名稱	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
醫務管理實習	Practicum in Health Services Management	必修 Required	4	4	0	
醫務策略管理	Health Services Strategic Management	必修 Required	2	2	0	
科技管理	Technology Management	必修 Required	2	2	0	
論文研究	Seminar	必修 Required	2	1	1	
醫療資訊學	Health Care Information	必修 Required	2	0	2	
創新與研發技術管理	Innovation and Management of Research Development Technology	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			12	9	3	

最低畢業學分數 128 學分，必修 82 學分，通識 20 學分，體育 4 學分，選修 22 學分

Minimum graduation credits: 128 credits, compulsory 82 credits, general education 20 credits, physical education 4 credits, elective 22 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."
- 學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。

Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.
- 學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。

Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.
- 學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。

Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.

5.	<p>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>
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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

健康管理學院職業安全衛生學系

Department of Occupational Safety and Health, College of Health Care and Management

第一學年

1stAcademic Year

科目名稱 Course Name in Chinese	科目英文名稱 Course Name in English	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
微積分	Calculus	必修 Required	2	2	0	
職業安全衛生概論	Introduction to Occupational Safety & Health	必修 Required	2	2	0	
普通物理學	General Physics	必修 Required	2	0	2	
生命醫學導論	Introduction to Life Medicine	必修 Required	2	0	2	
統計學(一)	Statistics(I)	必修 Required	2	0	2	
環境化學概論	Introduction to Environmental Chemistry	必修 Required	2	0	2	
環境化學實驗	Environmental Chemistry Experiment	必修 Required	1	0	1	
工業管理	Industrial Management	選修 Elective	2	2	0	
電氣安全	Electrical Safety	選修 Elective	2	2	0	
工業心理學	Industrial Psychology	選修 Elective	2	2	0	
行業危害個論	Industrial Hazard	選修 Elective	2	2	0	
職業衛生化學	Occupational Hygiene Chemistry	選修 Elective	2	2	0	
職業衛生化學實驗	Occupational Hygiene Chemistry Experiment	選修 Elective	1	1	0	
有機化學	Organic Chemistry	選修 Elective	2	0	2	
經濟學概論	Introduction to Economics	選修 Elective	2	0	2	
毒理學概論	Introduction to Toxicology	選修 Elective	2	0	2	
勞動生理學	Work Physiology	選修 Elective	2	0	2	
機械製造	Machinery Manufacturing	選修 Elective	2	0	2	
環境衛生學(一)	Environmental Health(I)	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			13	4	9	

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	0	2	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

第 二 學 年

2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
工業安全工程	Industrial Safety Engineering	必修 Required	2	2	0	
防火防爆學	Fire and Explosion Protection	必修 Required	2	2	0	
工業毒物學	Industrial Toxicology	必修 Required	2	2	0	
統計學(二)	Statistics(II)	必修 Required	2	2	0	
作業環境測定(一)	Workplace Monitoring (I)	必修 Required	2	2	0	
作業環境測定實驗(一)	Workplace Monitoring Laboratory(I)	必修 Required	1	1	0	
工業通風	Industrial Ventilation	必修 Required	2	0	2	
噪音與振動	Noise and Vibration	必修 Required	2	0	2	
機電防護	Machinery and Electrical Safety	必修 Required	2	0	2	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
熱力學	Thermodynamics	必修 Required	2	0	2	
儀器分析概論	Introduction to Instrumental Analysis	必修 Required	2	0	2	
作業環境測定(二)	Workplace Monitoring(II)	必修 Required	2	0	2	
作業環境測定實驗(二)	Workplace Monitoring Laboratory(II)	必修 Required	1	0	1	
流行病學	Epidemiology	選修 Elective	2	2	0	
應用力學	Applied Mechanics	選修 Elective	2	2	0	
環境衛生學(二)	Environmental Health(II)	選修 Elective	2	2	0	
職業安全綜論	Topics on Occupational Safety	選修 Elective	2	2	0	
環保與生態實務體驗	Environmental Conservation and Ecological Practical Experience	選修 Elective	2	2	0	
體感科技實作概論	Introduction to Somatosensory Technology in Practice	選修 Elective	2	2	0	
職業病概論	Introduction to Occupational Disease	選修 Elective	2	0	2	
工程材料	Engineering Materials	選修 Elective	2	0	2	
藥物學概論	Introduction to Pharmacology	選修 Elective	2	0	2	
危害性化學品評估概論	Introduction to Chemical Hazard Assessment	選修 Elective	2	0	2	
消防法規	Fire Laws	選修 Elective	2	0	2	
淨零企業永續&淨零排放	Net Zero Enterprise Sustainability & Net Zero Emissions	選修 Elective	2	0	2	
職業衛生管理行動雲模組	Occupational Health Management by Mobile Cloud Module	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			24	11	13	

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

第 三 學 年

3rd Academic 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
人因工程	Ergonomics	必修 Required	2	2	0	
生物偵測	Biological Monitoring	必修 Required	2	2	0	
危害風險評估	Risk Assessment on Safety	必修 Required	2	2	0	
儀器分析實驗	Instrumental Analysis Laboratory	必修 Required	1	1	0	
專題研究(一)	Independent Study(I)	必修 Required	1	1	0	
職業安全衛生法規	Occupational Safety and Health Laws	必修 Required	3	0	3	
健康風險評估	Health Risk Assessment	必修 Required	2	0	2	
工業安全管理	Industrial Safety Management	必修 Required	2	0	2	
衛生管理實務	Health Management and Practice	必修 Required	2	0	2	
專題研究(二)	Independent Study (II)	必修 Required	1	0	1	
毒理學	Toxicology	選修 Elective	2	2	0	
暴露評估	Exposure Assessment	選修 Elective	2	2	0	
消防安全設備概論	Introduction to Fire Equipment	選修 Elective	2	2	0	
職場溝通與衝突管理	Workplace Communication & Conflict management	選修 Elective	2	2	0	
氣膠學	Aerosol Technology	選修 Elective	2	0	2	
營建安全	Construction Safety	選修 Elective	2	0	2	
個人防護具	Personal Protective Equipment	選修 Elective	2	0	2	
消防安全工程設計	Fire Safety Engineering Design	選修 Elective	2	0	2	
職業安全專業證照與實作	Occupational Safety Professional License and Implementation	選修 Elective	2	0	2	
職業安全衛生體感教材應用實務	Application Practice of Occupational Safety and Health Somatosensory Training System	選修 Elective	2	0	2	
生物偵測實驗	Biological Monitoring Laboratory	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			18	8	10	

第四學年

4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
安全衛生實務實習	Practicum in Occupational Safety and Health	必修 Required	4	4	0	
作業環境控制工程	Workplace Environmental Control Engineering	必修 Required	2	2	0	
廠礦安全與評鑑實務	Industry Safety and Evaluation Practice	必修 Required	2	2	0	
安全衛生書報討論	Occupational Safety and Health Seminar	必修 Required	1	1	0	
專題研究(三)	Independent Study (III)	必修 Required	1	1	0	
有害物質管理策略	Hazardous Materials Management Strategy	必修 Required	2	0	2	
危險性機械設備安全	The Safety of High Risk Machinery and Equipment	必修 Required	2	0	2	
專題研究(四)	Independent Study (IV)	必修 Required	1	0	1	
輻射安全	Radiation Safety	選修 Elective	2	2	0	
生物力學概論	Introduction to Biomechanics	選修 Elective	2	0	2	
職業衛生專業證照與實作	Occupational Health Professional License and Implementation	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			15	10	5	
<p>最低畢業學分數 128 學分，必修 70 學分，通識 20 學分，體育 4 學分，選修 34 學分</p> <p>Minimum graduation credits: 128 credits, compulsory 70 credits, general education 20 credits, physical education 4 credits, elective 34 credits</p>						
說明 Instructions :						

第四學年

4th Academic 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
<p>1. 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>	<p>2. 學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>	<p>3. 學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>	<p>4. 學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>			

第 四 學 年

4th Academic 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
5.	<p>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>					
6.	<p>系選修至少須滿 28 學分，方可畢業。</p> <p>Department electives must complete at least 28 credits before graduation.</p>					

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

健康管理學院醫學應用化學系

Department of Medical Applied Chemistry, College of Health Care and Management

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	必修 Required	合計 學分 Credits Subtotal	第一 學期 1 st Semest er Credits	第二 學期 2 nd Semester Credits	備註 Remarks
普通化學	General Chemistry	必修 Required	4	4	0	
普通生物學	General Biology	必修 Required	2	2	0	
微積分(一)	Calculus(I)	必修 Required	2	2	0	
普通化學實驗	General Chemistry Laboratory	必修 Required	1	1	0	
分析化學(一)	Analytical Chemistry(I)	必修 Required	3	0	3	
普通物理學	General Physics	必修 Required	2	0	2	
健康醫學概論	Introduction to Health Medicine	必修 Required	2	0	2	
分析化學實驗(一)	Analytical Chemistry Laboratory (I)	必修 Required	1	0	1	
微積分(二)	Calculus(II)	必修 Required	1	0	1	
生物技術概論	Introduction to Biotechnology	選修 Elective	2	2	0	
3D 列印：積層製造技術與應用	3D Printing, Additive Manufacturing	選修 Elective	2	2	0	
普通物理學實驗	General Physics Laboratory	選修 Elective	1	1	0	
永續發展探索	Exploration of Sustainability	選修 Elective	1	1	0	
檢測應用	Detection Application	選修 Elective	1	1	0	
生物統計學	Biostatistics	選修 Elective	2	0	2	
環境化學	Environmental Chemistry	選修 Elective	2	0	2	
光電材料概論	Introduction to Electro-optic Material	選修 Elective	2	0	2	
化妝品調製學	Cosmetic Manufacture	選修 Elective	2	0	2	
應用化學導論	Introduction to Applied Chemistry	選修 Elective	2	0	2	

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	必修 Required Elective	合計 學分 Credits Subtotal	第一 學期 1 st Semest er Credits	第二 學期 2 nd Semester Credits	備註 Remarks
普通生物學實驗	General Biology Laboratory	選修 Elective	1	0	1	
化學與生物感測技術導論	Introduction to Chemo-and Biosensors Technology	選修 Elective	1	0	1	
醫學與應用化學	Medicine and Applied Chemistry	選修 Elective	1	0	1	
化學醫藥品之智慧財產保護概論	Introduction to Intellectual Property Protection of Chemical Pharmaceuticals	選修 Elective	1	0	1	
科學加工	Scientific Processing	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			18	9	9	

多元文化與語文		必修 Required	2	(2)	(2)	
程式語言	Programming Language	必修 Required	2	0	2	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

第 二 學 年
2nd Academic 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
有機化學(一)	Organic Chemistry (I)	必修 Required	3	3	0	
分析化學(二)	Analytical Chemistry (II)	必修 Required	3	3	0	
生物化學(一)	Biochemistry(I)	必修 Required	2	2	0	
分析化學實驗(二)	Analytical Chemistry Laboratory (II)	必修 Required	1	1	0	
有機化學實驗(一)	Organic Chemistry Laboratory (I)	必修 Required	1	1	0	
有機化學(二)	Organic Chemistry (II)	必修 Required	3	0	3	
無機化學(一)	Inorganic Chemistry (I)	必修 Required	3	0	3	
生物化學(二)	Biochemistry(II)	必修 Required	2	0	2	
儀器分析(一)	Principles of Instrumental Analysis(I)	必修 Required	2	0	2	
藥妝品學	Cosmeceuticals	必修 Required	2	0	2	
有機化學實驗(二)	Organic Chemistry Laboratory (II)	必修 Required	1	0	1	
儀器分析實驗(一)	Instrumental Analysis Laboratory(I)	必修 Required	1	0	1	
藥物學	Materia Medica	選修 Elective	2	2	0	
科技英文	English for Science and Technology	選修 Elective	2	2	0	
特用化學品	Specialty Chemicals	選修 Elective	2	2	0	
奈米科技概論	Introduction to Nanotechnology	選修 Elective	2	2	0	
芳香療法	Aromatherapy	選修 Elective	2	2	0	
醫用材料化學概論	Introduction to Medical materials Chemistry	選修 Elective	3	0	3	
綠色化學	Green Chemistry	選修 Elective	2	0	2	
生醫材料導論	Introduction to Biomaterials	選修 Elective	2	0	2	
醫藥高分子化學	Medical Polymer Chemistry	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			24	10	14	

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
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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
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第 三 學 年 3rd Academic 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
物理化學(一)	Physical Chemistry(I)	必修 Required	3	3	0	
無機化學(二)	Inorganic Chemistry(II)	必修 Required	3	3	0	
醫藥品設計與合成	Drug Design and Synthesis	必修 Required	2	2	0	
書報討論(一)	Discussion in Literature (I)	必修 Required	1	1	0	
物理化學實驗(一)	Physical Chemistry Laboratory(I)	必修 Required	1	1	0	
物理化學(二)	Physical Chemistry(II)	必修 Required	3	0	3	
藥物化學	Medicinal Chemistry	必修 Required	2	0	2	
書報討論(二)	Discussion in Literature (II)	必修 Required	1	0	1	
儀器分析(二)	Principles of Instrumental Analysis(II)	選修 Elective	2	2	0	
有機光譜	Spectroscopy for Organic Chemistry	選修 Elective	2	2	0	
專題研究(一)	Independent Study(I)	選修 Elective	2	2	0	
保健科技學	Introduction to Health Science	選修 Elective	2	2	0	
藥物與化妝品分析	Pharmaceutical and Cosmetic Analysis	選修 Elective	2	2	0	
醣化學	Introduction of Carbohydrate Chemistry	選修 Elective	2	2	0	
儀器分析實驗(二)	Instrumental Analysis Laboratory(II)	選修 Elective	1	1	0	
專題研究(二)	Independent Study (II)	選修 Elective	2	0	2	
專案管理	Project Management	選修 Elective	2	0	2	
生物質譜學	Biological Mass Spectrometry	選修 Elective	2	0	2	
有機合成	Organic Synthesis	選修 Elective	2	0	2	
材料分析	Material Analysis	選修 Elective	2	0	2	
醫藥無機化學概論	Introduction to Medicinal Inorganic Chemistry	選修 Elective	2	0	2	

第 三 學 年
3rd Academic 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
美容藥物學	Cosmetic Pharmacology	選修 Elective	2	0	2	
有機人名反應與應用	Organic Name Reactions and Applications	選修 Elective	2	0	2	
配位化學	Coordination Chemistry	選修 Elective	2	0	2	
製藥技術	Pharmaceutical Technology	選修 Elective	2	0	2	
臨床生醫材料	Clinical Biomedical Materials	選修 Elective	2	0	2	
有機化學特論	Special Topics in Organic Chemistry	選修 Elective	1	0	1	
核醫藥物暨放射化學概論	Introduction to Radiochemistry and Nuclear Pharmacy	選修 Elective	1	0	1	
物理化學實驗(二)	Physical Chemistry Laboratory(II)	選修 Elective	1	0	1	
人工智慧與有機化學	Artificial Intelligence in Organic Chemistry	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			16	10	6	

第 四 學 年
4th Academic 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 1st Semester Credits	第二學期 2 nd Semester Credits	備註 Remarks
書報討論(三)	Discussion in Literature(III)	必修 Required	1	1	0	
書報討論(四)	Discussion in Literature(IV)	必修 Required	1	0	1	
無機化學特論	Special Topics in Inorganic Chemistry	選修 Elective	2	2	0	
專題研究 (三)	Independent Study (III)	選修 Elective	2	2	0	
有機金屬化學	Organometallics	選修 Elective	2	2	0	
醫藥化學實習	Practicum Courses in Medicinal Chemistry	選修 Elective	2	2	0	
化學產業發展	Development of Chemical Industries	選修 Elective	2	0	2	
專題研究(四)	Independent Study (IV)	選修 Elective	2	0	2	
生物無機化學導論	Introduction to Bioinorganic Chemistry	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			2	1	1	
最低畢業學分數 128 學分，必修 60 學分，通識 20 學分，體育 4 學分，選修 44 學分 Minimum graduation credits: 128 credits, compulsory 60 credits, general education 20 credits, physical education 4 credits, elective 44 credits						
說明 Instructions :						

第 四 學 年
4th Academic 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 1st Semester Credits	第二學期 2 nd Semester Credits	備註 Remarks
1	通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。					<p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>
2	學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。					<p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>
3	學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。					<p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>
4	學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。					<p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>

第 四 學 年
4th Academic 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 1st Semester Credits	第二學 期 2 nd Semester Credits	備註 Remarks
5	<p>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>					
6	<p>系選修至少須滿 20 學分，方可畢業。</p> <p>Students need to complete at least 20 credits of specialized elective courses offered by their department in order to graduate.</p>					

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

健康管理學院健康產業科技管理學系

Department of Health Industry Technology Management, College of Health Care and Management

第一學年 1 st Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
營養學	Nutrition	必修 Required	2	2	0	
健康經濟學	Health Economics	必修 Required	2	2	0	
餐飲管理	Food and Beverage Management	必修 Required	2	2	0	
食品微生物學	Food Microbiology	必修 Required	2	2	0	
營養學實務概論	Introduction to Nutrition Practice	必修 Required	2	2	0	
食品微生物學實驗	Food Microbiology Laboratory	必修 Required	1	1	0	
食物製備原理	Principles of Food Preparation	必修 Required	2	0	2	
管理學	Management	必修 Required	2	0	2	
統計學	Statistics	必修 Required	2	0	2	
食物製備創新與管理	Food Preparation Innovation and Management	必修 Required	2	0	2	
食品良好衛生規範準則	The Regulations on Good Hygiene Practice for Food	必修 Required	2	0	2	
食品科技概論	Introduction to Food Science	選修 Elective	2	2	0	Professional Electives
食品產業概論	Introduction to Food Industrials	選修 Elective	2	2	0	Professional Electives
健康飲食產業概覽	Overview of the Healthy Eating Industry	選修 Elective	2	2	0	
生物學基礎觀念	Essential of Biology	選修 Elective	2	0	2	
保健食品開發概論	Introduction to Health Food Development	選修 Elective	2	0	2	Professional Electives
微生物免疫學與保健概論	Introduction to Microbiology and Immunity for Health Care	選修 Elective	2	0	2	
健康烘焙學	The Science of Healthy Baking	選修 Elective	2	0	2	Professional Electives
專題研究(一)	Independent Study(I)	選修 Elective	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
健康烘焙學實驗	The Science of Healthy Baking Laboratory	選修 Elective	1	0	1	Professional Electives
必修學分合計 Required Credits Subtotal			21	11	10	

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	0	2	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

第二學年

2ndAcademic 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
會計學	Accounting	必修 Required	2	2	0	
健康食品學	Health Food Science	必修 Required	2	2	0	
基礎中餐烹調與管理	Basic Chinese Cuisine Preparation and Management	必修 Required	2	2	0	

第二學年
2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
食品衛生安全	Food Sanitation and Safety	必修 Required	2	2	0	
會議暨獎勵旅遊	Meeting, Conference, and Incentives	必修 Required	2	2	0	
食品生物化學	Food Biochemistry	必修 Required	2	2	0	
基礎中餐烹調與管理實驗	Basic Chinese Cuisine Preparation and Management Laboratory	必修 Required	1	1	0	
人力資源管理	Human Resource Management	必修 Required	2	0	2	
食品化學	Food Chemistry	必修 Required	2	0	2	
行銷學	Marketing	必修 Required	2	0	2	
食品分析	Food Analysis	必修 Required	2	0	2	
食品加工學	Food Processing	必修 Required	2	0	2	
營養生化學	Nutritional Biochemistry	必修 Required	2	0	2	
食品分析實驗	Food Analysis Laboratory	必修 Required	1	0	1	
永續觀光與地方創生	Sustainable Tourism and Regional Revitalization	選修 Elective	2	2	0	
茶葉與身心保健	Tea and Health Care	選修 Elective	2	2	0	
衛生法規	Hygiene Regulations	選修 Elective	2	2	0	Professional Electives
專題研究(二)	Independent Study (II)	選修 Elective	1	1	0	
生命期營養學	Nutrition Throughout the Life Span	選修 Elective	2	0	2	Professional Electives
電子商務	E-Commerce	選修 Elective	2	0	2	
食農教育推展實務	Food and Agricultural Education Promote Practice	選修 Elective	2	0	2	
食品營養基因體學	Molecular Nutraceutical	選修 Elective	2	0	2	
食品品質概論	Introduction of Food Quality Assurance	選修 Elective	2	0	2	Professional Electives
專題研究(三)	Independent Study (III)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			26	13	13	

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
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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
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第 三 學 年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
財務管理	Financial Management	必修 Required	2	2	0	
食品冷凍學	Frozen Food	必修 Required	2	2	0	
創新與創業管理	Innovation and Entrepreneur-ship Management	必修 Required	2	2	0	
食品衛生安全實驗	Food Sanitation and Safety Laboratory	必修 Required	1	1	0	
食品安全管制系統	Food Safety Control System	必修 Required	2	2	0	
消費者行為	Consumer Behavior	必修 Required	2	0	2	
團體膳食設計	Quantity Food Preparation and Management	必修 Required	2	0	2	
會展規劃與管理	Exhibition Planning and Management	必修 Required	2	0	2	
健康產業專案報告	Seminar in Health Industry	必修 Required	2	0	2	
採購與成本控制	Purchasing and Cost Control	必修 Required	2	0	2	
食品加工學實驗	Food Processing Laboratory	必修 Required	1	0	1	
健康促進與疾病預防	Health Promotion and Disease Prevention	選修 Elective	3	3	0	Professional Electives
組織行為	Organizational Behavior	選修 Elective	2	2	0	Professional Electives
膳食療養學	Nutrition and Diet Therapy	選修 Elective	2	2	0	Professional Electives
宴會實務與管理	Banquet Practice and Management	選修 Elective	2	2	0	
健康飲食管理實務	Healthy Diet Management Practice	選修 Elective	2	2	0	
專題研究(四)	Independent Study (IV)	選修 Elective	1	1	0	
食品添加物	Food Additives	選修 Elective	2	0	2	Professional Electives
保健食品功能及評估	Functions and evaluation of health food	選修 Elective	2	0	2	
健康促進	Health Promotion	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			20	9	11	

第 四 學 年

4th Academic 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
健康產業科技書報討論	Seminar in the Health Industry Technology	必修 Required	2	2	0	
健康產業管理實習	Practicum in Health Industry Management	必修 Required	2	2	0	
健康產業科技專題講座	Special Lecture on the Career Planning of Health Industry Technology	必修 Required	2	0	2	
生藥膳療學	Diet of Herbal Pharmacy	選修 Elective	2	2	0	
飲料實務與管理	Beverage Management	選修 Elective	2	2	0	
食品感官評估	Food Sensory Evaluation	選修 Elective	2	2	0	Professional Electives
健康產業規劃與投資	Health Industry Planning and Investment	選修 Elective	2	2	0	Professional Electives
飲料實務與管理實驗	Beverage Management Laboratory	選修 Elective	1	1	0	
食品技師攻略	Food Professional Technologist Guide	選修 Elective	3	0	3	Professional Electives
會議溝通技巧	Conference Communication Skills	選修 Elective	2	0	2	
食品產業病媒防治概論	Introduction to Food Industry Pest Control	選修 Elective	2	0	2	Professional Electives
大數據分析應用	Big Data Analytics and Applications	選修 Elective	2	0	2	Professional Electives
臨床試驗	Clinical Trials	選修 Elective	2	0	2	
健康產業投資分析	Health Industry Investment Analysis	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			6	4	2	
最低畢業學分數 128 學分，必修 73 學分，通識 20 學分，體育 4 學分，選修 31 學分 Minimum graduation credits: 128 credits, compulsory 73 credits, general education 20 credits, physical education 4 credits, elective 31 credits						
說明 Instructions :						

第 四 學 年

4th Academic 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
1.	<p>通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。</p> <p>The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:</p> <p>Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."</p> <p>Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.</p> <p>The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."</p>					
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>修業期間，學生需參加過一項證照考試(參考教育部公告之各中央目的事業主管機關核發、委託、認證或認可證照一覽表)，始可畢業。如有特殊情況則得經系務會議決議之。</p> <p>Students must participate in at least one certification exam (refer to the list of certifications issued, commissioned, certified, or recognized by the various central authorities as announced by the Ministry of Education) to graduate. Exceptions may be made in special circumstances should be approved by the Department Affairs Committee.</p>					

第 四 學 年

4th Academic 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
6.	<p>系專業選修至少須修滿 17 學分，始可畢業。</p> <p>Students are required to complete at least 17 professional elective credits to graduate.</p>					
7.	<p>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>					

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

健康管理學院醫學資訊學系

Department of Medical Informatics, College of Health Care and Management

第一學年						
1 st Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
醫學資訊概論	Introduction to Medical Information	必修 Required	3	3	0	
微積分	Calculus	必修 Required	4	2	2	
管理學	Management	必修 Required	2	2	0	
物件導向程式設計(一)	Object-Oriented Programming (I)	必修 Required	3	0	3	
計算機組織與結構	Computer Architecture and Organization	必修 Required	3	0	3	
醫務管理概論	Introduction to Health Care Management	必修 Required	2	0	2	
線性代數	Linear Algebra	必修 Required	2	0	2	
C 語言	C Language	選修 Elective	3	3	0	
管理數學	Management Mathematics	選修 Elective	2	2	0	
健康資訊輔具概論	Introduction to Intelligent Assistive Devices	選修 Elective	2	2	0	
醫療數位孿生概論	Introduction to Digital Twins in Medicine	選修 Elective	2	2	0	
MATLAB 程式設計	MATLAB Programming	選修 Elective	3	0	3	
.NET 程式設計	.NET Programming	選修 Elective	3	0	3	
智慧醫療概論	Introduction to Artificial Intelligence in Healthcare	選修 Elective	3	0	3	
影像醫學	Imaging Medicine	選修 Elective	2	0	2	
國際醫療與資訊實務	Medical Tourism Information and Practice	選修 Elective	2	0	2	
疾病與診斷概論	Introduction to Diseases and Diagnoses	選修 Elective	2	0	2	
健康大數據概論	Introduction to Health Big Data	選修 Elective	2	0	2	
必修學分合計	Required Credits Subtotal		19	7	12	

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
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

第 二 學 年

2nd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
機率與統計	Probability and Statistics	必修 Required	3	3	0	
資料結構	Data Structure	必修 Required	3	3	0	
臨床醫學網路暨資訊安全	Network and Information Security in Clinical Medicine	必修 Required	3	3	0	
健康雲與大數據	Health Cloud and Big Data	必修 Required	2	2	0	
作業系統	Operating Systems	必修 Required	3	0	3	
資料庫系統	Database System Analysis and Design	必修 Required	3	0	3	
研究方法與生醫資料分析	Research Methods and Biomedical Data Analysis	必修 Required	3	0	3	
醫用程式語言	Programming Language for Hospital	必修 Required	3	0	3	
物件導向程式設計(二)	Objected-Oriented Programming (II)	選修 Elective	3	3	0	
離散數學	Discrete Mathematics	選修 Elective	3	3	0	
醫學影像檢索	Medical Image Retrieval	選修 Elective	3	3	0	
生醫訊號處理概論	Introduction to Biomedical Signal Processing	選修 Elective	3	3	0	

第二學年 2nd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
Python 程式設計	Python Programming	選修 Elective	3	3	0	
Power BI 資料視覺化	Power BI Data Visualization	選修 Elective	2	2	0	
醫學影像處理	Medical Image Processing	選修 Elective	3	0	3	
演算法	Design and Analysis of Algorithms	選修 Elective	3	0	3	
互動式醫療電子商務	E-Commerce in Interactive Medicine	選修 Elective	3	0	3	
物件導向程式習作	Practice in Object-Oriented Programming	選修 Elective	3	0	3	
R 語言	R Language	選修 Elective	2	0	2	
專題研究(一)	Independent Study(I)	選修 Elective	1	0	1	
必修學分合計 Required Credits Subtotal			23	11	12	

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

第三學年 3rd Academic Year						
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
資料庫管理系統	Database Management System	必修 Required	3	3	0	
醫用資訊系統分析與設計	Medical Information System Analysis and Design	必修 Required	3	3	0	
管理資訊系統	Management Information Systems	必修 Required	2	2	0	
實習	Internship	必修 Required	4	0	4	
醫用行動軟體設計	Mobile APP Design in Medical Application	必修 Required	3	0	3	
醫療資訊管理	Medical Information Management	必修 Required	2	0	2	
醫療系統安全	Medical Information System Security	必修 Required	2	0	2	

第三學年

3rd Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
醫學資訊專題(一)	Independent Study in Medical Informatics(I)	必修 Required	1	0	1	
網路程式設計	Design of Network Programs	選修 Elective	3	3	0	
Linux 作業系統	LINUX Operating Systems	選修 Elective	3	3	0	
機器學習	Machine Learning	選修 Elective	3	3	0	
電子病歷實務	The Practice of Electronic Medical Records	選修 Elective	2	2	0	
健康大數據應用與實作	Application of Health Big Data	選修 Elective	2	2	0	
專題研究(二)	Independent Study (II)	選修 Elective	1	1	0	
資料庫應用系統開發	Development of Database Application System	選修 Elective	3	0	3	
雲端虛擬作業環境應用	Application of Cloud Virtual Operating Environments	選修 Elective	3	0	3	
論文與報告寫作	Writing Academic Papers	選修 Elective	2	0	2	
醫院資訊系統實務	Healthcare Information System	選修 Elective	2	0	2	
深度學習	Deep Learning	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			20	8	12	

第四學年
4th Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	合計 學分 Credits Subtotal	第一 學期 Semester Credits	第二 學期 Semester Credits	備註 Remarks
書報討論(一)	Discussion in Literature (I)	必修 Required	1	1	0	
醫學資訊專題(二)	Independent Study in Medical Informatics(II)	必修 Required	1	1	0	
書報討論(二)	Discussion in Literature (II)	必修 Required	1	0	1	
優質網路健康照護	Excellent Internet Healthcare	選修 Elective	2	2	0	
人工智慧	Artificial Intelligence	選修 Elective	3	0	3	
資訊輔具開發	Design and Implementation of Assistive Devices	選修 Elective	3	0	3	
必修學分合計 Required Credits Subtotal			3	2	1	

最低畢業學分數 128 學分，必修學分數 65 學分，通識 20 學分，體育 4 學分，選修 39 學分
Minimum graduation credits: 128 credits, compulsory 65 credits, general education 20 credits, physical education 4 credits, elective 39 credits

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。含括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。含括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."

第 四 學 年
4th Academic 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 Semester Credits	第二 學期 Semester Credits	備註 Remarks
2.	<p>學生須於畢業前擇一參加經認定之校外官方英文能力檢定考試或校內「中山醫大英文能力檢測」(CEPT)英文檢定考試，相當全民英檢中級初試，並於每學期開學後繳交通過之成績證明文件至各系登錄，以作為畢業資格審定之依據。</p> <p>Students are required to participate in an officially recognized external English proficiency test or the university's internal "Chung Shan Medical University English Proficiency Test" (CEPT) before graduation. The required proficiency level is equivalent to the preliminary test of the GEPT Intermediate Level. After the start of each semester, students must submit their passing score documents to their respective departments for registration, which will serve as a basis for graduation qualification verification.</p>					
3.	<p>學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。</p> <p>Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.</p>					
4.	<p>學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。</p> <p>Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.</p>					
5.	<p>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>					
6.	<p>系選修至少須修滿 27 學分及通過本系程式設計能力畢業資格檢定，方可畢業。</p> <p>Department electives must complete at least 27 credits and pass the department's program design ability graduation qualification test before graduation.</p>					

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

健康管理學院應用外國語言學系

Department of Applied Foreign Languages, College of Health Care and Management

第一學年

1st Academic Year

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	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
初級日文	Elementary Japanese	必修 Required	8	4	4	
英文翻譯技巧	English Translation Techniques	必修 Required	2	2	0	
初級英文文法與寫作(一)	Elementary English Grammar & Composition(I)	必修 Required	2	2	0	
英語溝通技巧	English Communication Skills	必修 Required	2	2	0	
初級英文文法與寫作(二)	Elementary English Grammar & Composition(II)	必修 Required	2	0	2	
英美文學作品賞析	English Literature Study	必修 Required	2	0	2	
英語演說訓練	English Speech Training	必修 Required	2	0	2	
英文字彙與閱讀技巧	English Vocabulary & Reading Skills	必修 Required	2	0	2	
西洋文學概論	Introduction to Western Literature	選修 Elective	2	2	0	
基礎日語聽講(一)	Elementary Japanese Listening & Speaking(I)	選修 Elective	2	2	0	
基礎日語聽講(二)	Elementary Japanese Listening & Speaking(II)	選修 Elective	2	0	2	
醫院英語聽講	Hospital English Listening & Speaking	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			22	10	12	

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	0	2	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

第 二 學 年 2nd Academic 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
中級日文	Intermediate Japanese	必修 Required	6	4	2	
日語會話	Japanese Conversation	必修 Required	4	2	2	
英語教學法	English Teaching Methodology	必修 Required	4	2	2	
中級英文寫作	Intermediate English Composition	必修 Required	2	2	0	
中級英語會話(一)	Intermediate English Conversation(I)	必修 Required	2	2	0	
創意數位行銷英文	English for Creative Digital Marketing	必修 Required	2	2	0	
中級英語會話(二)	Intermediate English Conversation(II)	必修 Required	2	0	2	
語言學概論(一)	Introduction to Linguistics(I)	必修 Required	2	0	2	
日語句型與文法	Japanese Sentence Patterns and Grammar	必修 Required	2	0	2	
新聞英文	News English	選修 Elective	2	2	0	
進階日語聽講(一)	Advanced Japanese Listening & Speaking(I)	選修 Elective	2	2	0	
商務英文溝通	Business English Communication Skills	選修 Elective	2	2	0	
國際貿易實務(一)	International Trade Practice(I)	選修 Elective	2	0	2	
醫療保健英文	Health Care English	選修 Elective	2	0	2	

第二學年 2nd Academic 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
進階日語聽講(二)	Advanced Japanese Listening & Speaking (II)	選修 Elective	2	0	2	
日語文章選讀	Japanese Articles	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			26	14	12	

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

第三學年 3rd Academic 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
語言發展與第二語言習得	Language Development & Second Language Acquisition	必修 Required	4	2	2	
高級英語會話	Advanced English Conversation	必修 Required	2	2	0	
日語語法(一)	Japanese Grammar (I)	必修 Required	2	2	0	
高級日文	Advanced Japanese	必修 Required	2	2	0	
醫護英文(一)	Medical-Nursing English (I)	必修 Required	2	2	0	
商用英文寫作	Business English Composition	必修 Required	2	2	0	
日語語法(二)	Japanese Grammar (II)	必修 Required	2	0	2	
醫護英文(二)	Medical-Nursing English (II)	必修 Required	2	0	2	
高級英文寫作:論文寫作	Advanced English Composition: Research Paper Writing	必修 Required	2	0	2	
醫護日文	Medical-Nursing Japanese	必修 Required	2	0	2	
時事日文	News in Japanese	必修 Required	2	0	2	
專題研究(一)	Independent Study(I)	選修 Elective	2	2	0	

第三學年

3rd Academic 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
國際貿易實務(二)	International Trade Practice(II)	選修 Elective	2	2	0	
領隊導遊英文	Tour Guide English	選修 Elective	2	2	0	
語言學概論(二)	Introduction to Linguistics(II)	選修 Elective	2	2	0	
飯店與餐飲日語	Hotel and Restaurant Japanese	選修 Elective	2	2	0	
專題研究(二)	Independent Study (II)	選修 Elective	2	0	2	
會展英文	English for MICE	選修 Elective	2	0	2	
商務日文溝通	Business Japanese Communication Skills	選修 Elective	2	0	2	
英文媒體溝通	English for Media Communication	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			24	12	12	

第四學年

4th Academic 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
英文筆譯	English Written Translation	必修 Required	2	2	0	
商用日文寫作	Business Japanese Composition	必修 Required	2	2	0	
日文筆譯	Japanese Written Translation	必修 Required	2	0	2	
英語口譯	English Oral Translation	必修 Required	2	0	2	
法文(一)	French (I)	選修 Elective	2	2	0	
西班牙文(一)	Spanish (I)	選修 Elective	2	2	0	
會議簡報英文	English for Meeting and Presentation	選修 Elective	2	2	0	
觀光導覽日語	Tour Guiding in Japanese	選修 Elective	2	2	0	
日語檢定文法解析與演練(一)	Grammar Analysis and Exercise for JLPT (I)	選修 Elective	2	2	0	
法文(二)	French (II)	選修 Elective	2	0	2	
西班牙文(二)	Spanish (II)	選修 Elective	2	0	2	

第 四 學 年

4th Academic 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
日語簡報演練	Japanese Presentation Training	選修 Elective	2	0	2	
日語檢定文法解析與演練(二)	Grammar Analysis and Exercise for JLPT(II)	選修 Elective	2	0	2	
必修學分合計 Required Credits Subtotal			8	4	4	
<p>最低畢業學分數 128 學分，必修 80 學分，通識 20 學分，體育 4 學分，選修 24 學分</p> <p>Minimum graduation credits: 128 credits, compulsory 80 credits, general education 20 credits, physical education 4 credits, elective 24 credits</p>						

說明 Instructions :

- 通識教育課程總學分數為 20 學分，學生需修滿學分數，始得申請畢業。課程內容分為「基礎通識」及「博雅通識」等兩大部分，修習原則如下：(一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。(二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個學群領域，每個學群領域至少需修習 2 學分。通識教育課程畢業學分的認列，以 20 學分為上限。通識教育課程修習方式依照「中山醫學大學通識課程選課須知」辦理。「服務學習」依照「中山醫學大學服務學習課程實施辦法」辦理。

The total number of credits required for the General Education Curriculum is 20. Students must complete these credits in order to apply for graduation. The curriculum is divided into two main parts: "Fundamental General Education" and "Liberal Arts General Education." The guidelines for course completion are as follows:

Fundamental General Education Courses: These are mandatory and total 6 credits. They include courses such as "Multiculturalism and Languages," "Programming Languages," "Foundation of University Education," and "Service Learning."

Liberal Arts General Education Courses: These are also mandatory and total 14 credits (16 credits for the Department of Medical Informatics). They cover four domains: Literature and Arts, Social Sciences, Humanistic Medicine, and Science and Technology. At least 2 credits must be completed in each domain.

The maximum number of credits recognized for the General Education Curriculum towards graduation is 20. The enrollment procedures for the General Education Curriculum are to be followed according to the "Guidelines for General Education Course Selection at Chung Shan Medical University." The "Service Learning" component is to be conducted in accordance with the "Implementation Guidelines for Service Learning Courses at Chung Shan Medical University."

第 四 學 年

4th Academic 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
2.	「英文能力」畢業資格：學生須至少參加過一次校外相當全民英檢中高級初試通過之檢定考試，並於每學期開學後繳交通過之成績證明文件至系上登錄，但未通過者，可參加校內「中山醫大英文能力檢測」(CEPT)通過，取得合於「英文能力」畢業資格，始得畢業。(詳見中山醫學大學應用外國語言學系外語能力檢測暨畢業資格實施辦法)。					"English Proficiency" Graduation Requirement: Students must take at least one external standard English proficiency examination equivalent to the high intermediate level of the General English Proficiency Test (GEPT) and submit the passing score report to the department at the beginning of each semester. Students who do not pass can take the on-campus "Chung Shan Medical University English Proficiency Test" (CEPT). Passing the CEPT test at the high intermediate level will fulfill the 'English Proficiency' graduation requirement. For more details, refer to the Implementation Measures for Foreign Language Proficiency Testing and Graduation Requirements of the Department of Applied Foreign Languages at Chung Shan Medical University.
3.	「日文能力」畢業資格：為通過日本在台交流協會日本語能力試驗(JLPT)N3 等級(以上)日本語能力測驗，或財團法人語言訓練測驗中心 FLPT 日文考試，並於每學期開學後繳交通過之證明文件至系上登錄；未通過者需檢附證明至系辦核定，方可依「本系外語能力檢測暨畢業資格實施辦法」辦理。					"Japanese Proficiency" Graduation Requirement: Students must pass the Japanese-Language Proficiency Test (JLPT) N3 level or above, administered by the Japan-Taiwan Exchange Association, or the FLPT Japanese exam administered by the Language Training and Testing Center (LTC). Students must submit the passing score report to the department at the beginning of each semester. Those who do not pass must provide proof to the department office for approval and follow the Implementation Measures for Foreign Language Proficiency Testing and Graduation Requirements of the Department of Applied Foreign Languages at Chung Shan Medical University.
4.	學生須依「中山醫學大學深化醫能力百分百實施辦法」參加各項符合增益基本能力之活動並累積至少 100 點，始得畢業。					Students must participate in various activities that enhance their basic competencies in accordance with the "Implementation Guidelines for Enhancing Soft Skills at Chung Shan Medical University" and accumulate at least 100 points in order to graduate.
5.	學生須於畢業前擇一修習雙主修、輔系、跨域學程或跨域微學程，符合修習規範者，始得畢業。					Students are required to choose a double major, a minor, an interdisciplinary program, or an interdisciplinary micro-program before graduation. Only those who meet the study standards can graduate.
6.	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。					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.
7.	選修學分中，須含本系選修 10 學分和 1 門「專題研究(一)或專題研究(二)」(2 學分)，方可畢業。					To graduate, students must earn 10 elective credits from courses offered by the Department of Applied Foreign Languages. Additionally, they must complete either 'Research Project (I)' or 'Research Project (II)' for 2 credits.

中山醫學大學 113 學年度入學新生適用

Applicable to Freshmen Admitted in the 113th Academic Year of Chung Shan Medical University

【通識課程選課須知】

【Instructions for Selecting General Education Courses】

- 一、通識教育課程總學分數為 20 學分。學生需修滿學分數，始得申請畢業。
課程內容分為「基礎通識」課程及「博雅通識」課程等兩大部分，修習原則如下：

The total number of credits required for general education courses is 20 credits. Students must complete all required credits before they can apply for graduation. The curriculum is divided into two main categories: "Fundamental General Education" courses and "Liberal Arts General Education" courses. The principles for taking these courses are as follows:

- (一)「基礎通識」課程：必修，共 6 學分。包括：「多元文化與語文」、「程式語言」、「大學之道」及「服務學習」等課程。

"Fundamental General Education" Courses: Required, totaling 6 credits. These courses include "Multiculturalism and Languages," "Programming Language," "Foundation of University Education," and "Service Learning."

1. 「多元文化與語文」：必修 2 學分。

Multiculturalism and Languages: Required, 2 credits.

2. 程式語言：必修 2 學分，大一修習。但醫資系除外，須另於「博雅通識課程」加選 2 學分。

Programming Language: Required, 2 credits, to be taken in the first year. However, students in the Medical Informatics Department are an exception and must instead take an additional 2 credits in "Liberal Arts General Education" courses.

3. 大學之道：必修 1 學分，大一修習(上學期課程)。

Foundation of University Education: Required, 1 credit, to be taken in the first year (first semester course).

4. 服務學習：必修 1 學分，總計 18 小時，以大一修習為原則。包括：「系上專業服務」8 小時、「服務學習講座」2 小時及「校內外志工服務學習」8 小時等課程時數。

Service Learning: Required, 1 credit, with a total of 18 hours, preferably to be completed in the first year. This includes 8 hours of "Departmental Professional Service," 2 hours of "Service Learning Seminars," and 8 hours of "On-Campus and Off-Campus Volunteer Service Learning."

- (二)「博雅通識」課程：必修，共 14 學分(醫資系除外，需 16 學分)。包括：文藝領域、社會領域、人文醫學領域和科普領域等四個領域。每個領域至少需修習 2 學分。

Liberal Arts General Education" Courses: Required, totaling 14 credits (16 credits for students in the Medical Informatics Department). This includes four major areas: the Arts and Literature Domain, the Social Sciences Domain, the Medical Humanities Domain, and the Science and Technology Domain. Students must take at least 2 credits in each domain.

二、注意事項

Important Notes: :

(一) 通識各領域課程，若無註明選修限制，即屬於開放全校學生選修範圍。 **General Education Courses in Each Domain:** If there are no restrictions specified for elective courses, they are open to all students in the university.

(二) 通識課程之學分數列入學生最低畢業學分數計算。但超修或不可採計之通識課程學分數，是否採計為選修學分，由學生畢業時就讀學系認定之。

Credits for General Education Courses: The credits for general education courses are counted towards the minimum graduation credits required for students. Whether extra credits or non-eligible general education course credits can be counted as elective credits will be determined by the student's department at the time of graduation.

(三) 課表內符號之標示方法 **Symbols in the Course Schedule:** :

1. 通則：表格內呈現「V」，表示開課學期。

General Rule: A "V" in the table indicates the semester in which the course is offered.

2. 特例：全學年之必修課，表格內呈現「I」，表示開課學期及其學分數。

Special Cases: For compulsory courses offered throughout the academic year, the symbol "I" in the table indicates the semester and the number of credits.

(四) 授課教師如有異動，悉依當學年度實際授課教師為主。

Changes in Teaching Staff: Any changes in teaching staff will be based on the actual instructors for that academic year.

(五) 開課課表及各學群領域開課課程如有異動(增刪)，悉依修正公告內容為準。

Course Schedule and Changes in Courses Offered in Each Domain: Any changes (additions or deletions) to the course schedule or the courses offered in each domain will be based on the latest announcements and revisions.

(六) 國防通識課程：選修，不列入通識畢業學分。

National Defense General Education Courses: These are elective and do not count towards the general education graduation credits.

※注意事項：(a)99 學年度起國防通識領域各科目均不限年級。(b)因應部頒「軍訓課程折算役期實施辦法」修訂，課程名稱內須有「軍訓」課程始得折抵役期。(C)每門課程

合格始具有折減役期之效力，相關役期折減依「全民國防教育軍事訓練課程折減常備兵役役期與軍事訓練期間實施辦法」辦理（5門課：全民國防教育軍事訓練課程-國際情勢、國防政策、全民國防、防衛動員、國防科技），不可重複選修。

- **Important Notes**(a)From the academic year 2010 (99th academic year), there are no grade level restrictions for subjects in the National Defense General Education domain.(b)In response to the revised "Implementation Guidelines for Substituting Military Training Courses for Military Service," the course title must include "Military Training" for the course to count towards military service reduction.(c) Each course must be completed with a passing grade to qualify for a reduction in military service time. The relevant service reduction is managed according to the "Implementation Guidelines for Reducing Regular Military Service Time with National Defense Education and Military Training Courses" (which includes five courses: National Defense Education and Military Training Courses – International Situations, The Defense Doctrine, All-people Defense, Defense Mobilization, and National Defense Science and Technology). Courses cannot be repeated.

※113 學年度通識教育課程開課科目及學分表

General Education Courses and Credits for the 113th Academic Year

(一)「共同教育課程」Common Education Courses

1、程式語言、大學之道、服務學習

Programming Language, Foundation of University Education, Service Learning

共同教育課程-程式語言、大學之道、服務學習								
Common Education Courses-Multiculturalism and Language, Foundation of University Education,Service Learning								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
程式語言	Programming Language	必修 Required	2	V		限以下學系修習： 醫學一、護理一、 醫社一、醫技一、 生醫一、醫影 一、牙醫一 Limited to the Following Departments: First-year Medicine, First-year Nursing, First-year Medical Sociology, First-year Medical Technology, First-year Biomedical Science, First-year Medical Imaging First-year Dentistry	4.4	
程式語言	Programming Language	必修 Required	2		V	限以下學系修習： 心理一、物治一、 職治一、語聽一、 視光一、營養一、 公衛一、醫管一、 職安一、醫化一、 餐飲一、應外一 Limited to the Following Departments: First-year Psychology First-year Physical Therapy First-year Occupational Therapy First-year Speech-Language	4.4	

共同教育課程-程式語言、大學之道、服務學習

Common Education Courses-Multiculturalism and Language, Foundation of University Education, Service Learning

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分 數 Credits	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
						Pathology and Audiology First-year Optometry First-year Nutrition First-year Public Health First-year Healthcare Management First-year Occupational Safety and Health First-year Medical Chemistry First-year Hospitality Management First-year Applied Foreign Languages		
大學之道	Foundation of University Education	必修 Required	1	V		各系大一 First-Year Students from All Departments	4.7	
服務學習	Service Learning	必修 Required	1		V	以大一修習為原則 Take it as a principle in the first year of university.	11.3	

2、多元文化與語文 Multiculturalism and Languages

共同教育課程-多元文化與語文

Common Education Courses- Multiculturalism and Languages

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
日語探索	Japanese Exploration	選修 Elective	2	V		應外系不列計通識學分 General education credits are not counted for the Department of Applied Foreign Languages.	4.1	
法文	French	選修 Elective	2	V	V		4.6	
韓文	Korean	選修 Elective	2	V	V		4.3	
韓文日常與生活觀光會話	Korean Conversation	選修 Elective	2	V			4.3	
韓國文化與韓文	Korean Culture and Language	選修 Elective	2		V		4.3	
日本現代文化與生活日語	Modern Culture and Languages for Daily Life in Japan	選修 Elective	2	V			4.7	
日本節令中的生活智慧	Living Wisdom in Japanese Seasonal Festivals	選修 Elective	2	V	V		4.7	
日本地方文化觀光與日語	Local Cultural Tour in Japan and Japanese	選修 Elective	2	V	V		4.7	
基礎越南語	Basic Vietnamese	選修 Elective	2	V	V		17.1	
西班牙文	Spanish	選修	2	V	V		4.1	

共同教育課程-多元文化與語文

Common Education Courses- Multiculturalism and Languages

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
		Elective						
西方餐飲文化與英文	English for Western Food Industry	選修 Elective	2	V	V		4.6	
台灣原住民族文化	Taiwan Indigenous Culture	選修 Elective	2	V			4.7	
德文會話與文化	German Language and Culture	選修 Elective	2	V	V		4.1	
觀光德語	German for Travel in Germany	選修 Elective	2	V			4.1	
西方美食文化英文	English for Western Gourmet Culture	選修 Elective	2	V	V		4.1	
跨文化商務溝通與英語	Intercultural Communication in Business and English	選修 Elective	2	V			4.1	
初級泰語會話	Thai Language Conversation for Beginner	選修 Elective	2	V			4.6	
印尼語言與文化	Indonesian Language and Culture	選修 Elective	2	V	V		4.6	
日本語言與文化	Japanese Language and Culture	選修 Elective	2	V	V	應外系不列計通識學分 General education credits are not counted for the	4.1	

共同教育課程-多元文化與語文

Common Education Courses- Multiculturalism and Languages

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分 數 Credits	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
						Department of Applied Foreign Languages		
美國節慶文化與英文	Holidays and Festivals in the United States	選修 Elective	2	V	V		4.7	
西方文化與創意產業英文	English for Cultural and Creative Industries	選修 Elective	2	V			4.7	
現代日本社會文化與日語	Contemporary Japanese Society, Culture and Language	選修 Elective	2	V	V		4.3	
日本日常生活習慣與會話	Japanese Customs and Daily Conversation	選修 Elective	2	V	V		4.3	

(二)

1、人文醫學領域課程

Medical Humanities Domain

人文醫學領域課程								
the Medical Humanities Domain								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分 Credits	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
童話故事的作用與療癒	The Functions & Healing of Fairy Tales	選修 Elective	2	V			4.7	
醫學人文文學作品與電影賞析	Introduction to Medical Humanities: Literature and Visual Arts	選修 Elective	2		V		4.7	
保健與人生	Health and A Real Life	選修 Elective	2	V	V		4.3	
醫師與生死	Thanatology for Medical Students	選修 Elective	1		V		3.8	
醫學倫理	Medical Ethics	選修 Elective	2	V	V	醫影系不列計通識學分 General education credits are not counted for the Department of Medical Imaging and Radiological Sciences.	3.8	開兩班 Offer two classes
藝術治療面面觀	Many Faces of Art Therapy	選修 Elective	2		V		3.8	
博物館藝術治療與跨域思維	Art Therapy in Museums and Interdisciplinary Thinking	選修 Elective	2		V		4.7	
醫學與影像美學	Medicine and the Aesthetics of Image	選修 Elective	2	V			4.3	

人文醫學領域課程

the Medical Humanities Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分 數 Credits	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
		ve						
台灣民俗醫療文化	Folk Medical Culture of Taiwan	選修 Elective	2	V	V		4.7	
台灣醫療文學	Medical Literature of Taiwan	選修 Elective	2	V	V		4.7	
法醫與生活	Forensic Medicine in Daily Life	選修 Elective	2	V	V		4.1	
飲食文化	Food Culture	選修 Elective	2		V		4.1	
臨床醫療的生死學	Life and Death in Clinical Medicine	選修 Elective	2	V			3.4	
醫用藥物的開發與應用	Discovery and Application of Medicinal Drugs	選修 Elective	2		V		3.4	
從生活中談微生物及免疫	Micro-Organisms and Immunity in Our Life	選修 Elective	2	V	V		3.3	
社會與健康	Social Determinants of Health	選修 Elective	2		V		10.1	
禪繞畫的藝術	Zentangle Art	選修 Elective	2	V	V		4.7	
醫學倫理的思辨之旅	A Tour of Medical Ethics Deliberations	選修 Elective	2		V		3.4	

人文醫學領域課程

the Medical Humanities Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分 數 Credits	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
音樂治療導論	Introduction to Music Therapy	選修 Elective	2		V		4.6	
藝術與治療	Art & Therapy	選修 Elective	2	V	V		11.4	
醫學人體素描入門	Sketch of Medical Human Body	選修 Elective	2	V			11.4	
醫學人體素描進階	Advanced Sketch of Medical Human Body	選修 Elective	2		V		11.4	
諾貝爾醫學獎得主的故事	Stories of Nobel Laureates in Medicine	選修 Elective	2	V	V		4.7	
長期照護與社會	The Society and Long-Term Care	選修 Elective	2	V	V		1.2	
基礎戲劇治療	Basic Dramatherapy	選修 Elective	2		V		4.7	

2、『文藝領域課程』

Arts and Literature Domain

文藝領域課程								
Arts and Literature Domain								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
說話的表演藝術	Talking, the Art of Performance	選修 Elective	2	V	V		4.6	
手機專業影片製作 與未來工作應用	Professional Film Making by Cellphone and Future Application	選修 Elective	2	V			4.4	
文創品牌與發想	Cultural-Creative Brand and Idea Generation	選修 Elective	2	V	V		4.3	
文學漫談	Literary Talk	選修 Elective	2	V	V		4.3	
宮崎駿動畫賞析	Appreciation of Hayao Miyazaki's Animations	選修 Elective	2	V	V		15.1	
粉墨乾坤看戲曲	Traditional Drama	選修 Elective	2	V	V		4.7	
閱讀與書寫	Reading and Writing	選修 Elec	2	V	V		4.3	

文藝領域課程

Arts and Literature Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Req uire d Elec tive	學分 數 Cred its	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remark s
		選 修 Elec tive	2	V			4.7	
日本花道與生活美學	Japanese Floral Art and Life Aesthetics	選 修 Elec tive	2	V			4.7	
日本歷史與文化探源	Source Explosion of Japanese History and Culture	選 修 Elec tive	2	V			4.7	
從電影看日本思想與文化	Knowing Japanese Thoughts and Culture Through Film	選 修 Elec tive	2		V		4.3	
電影與當代思潮	Film and Contemporary Thought	選 修 Elec tive	2		V		4.3	
電影與人生	Movie and Life	選 修 Elec tive	2	V	V		4.3	
旅行的藝術：移動與觀看	The Art of Travel	選 修 Elec tive	2	V			4.7	
閱讀與書寫	Reading and Writing	選 修 Elec tive	2	V	V		4.7	

文藝領域課程

Arts and Literature Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必 選 修 Req uire d Elec tive	學 分 數 Cred its	第 一 學 期 1st Sem ester	第 二 學 期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
中國古典小說中的 超自然世界	Supernatural World in Classical Chinese Novels	選 修 Elec tive	2	V			4.7	
話本小說中的社會 百態	Social Attitudes in Story Teller's Script	選 修 Elec tive	2	V			4.7	
台灣民俗節慶文化	Folk Festival Culture of Taiwan	選 修 Elec tive	2		V		4.7	
台灣散文選讀	Selected Readings of Taiwanese Essay	選 修 Elec tive	2	V	V		11.4	
閱讀地景文學	Reading Landscape Literature	選 修 Elec tive	2		V		11.4	
色彩生活應用	Application of Life`s Color	選 修 Elec tive	2	V			11.4	
旅行中發現藝術	Art Discovery When Travel	選 修 Elec tive	2	V			11.4	
藝術概論	Introduction to Art	選	2		V		11.4	

文藝領域課程

Arts and Literature Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必 選 修 Req uire d Elec tive	學 分 數 Cred its	第 一 學 期 1st Sem ester	第 二 學 期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
		修 Elec tive						
東方藝術導論	Introduction to the Eastern Art	選 修 Elec tive	2		V		11.4	
日本小說與電影欣賞	Appreciation of Japanese Novels and Films	選 修 Elec tive	2	V			4.1	
當代電影研究欣賞 英語電影	Appreciating English-Language Films	選 修 Elec tive	2		V		4.7	全英文 授課 Taught in English

3、『科普領域課程』 Science and Technology Domain

<p style="text-align: center;">科普領域課程</p> <p style="text-align: center;">Science and Technology Domain</p>								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2nd Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
電磁輻射與生活	Electromagnetic Radiation and Life	選修 Elective	2		V		3.4	
心與腦	Brain and Mind	選修 Elective	2		V		3.4	
化學與人生	Chemistry and Life	選修 Elective	2	V	V	醫化系不列計通識學分 General education credits are not counted for the Department of Medical Applied Chemistry	4.6	開兩班 Offer two classes
大腦與人類行為	Brain & Behavior	選修 Elective	2		V	心理系不列計通識學分 General education credits are not counted for the Department of Psychology.	4.1	
營養與保健	Nutrition and Health	選修 Elective	2	V	V		2.2	
環境(全球暖化)與社會	Environment (Global Warming) and Society	選修 Elective	2	V	V		13.3	
邏輯與批判思考	Logic and Critical Thinking	選修 Elective	2	V			4.3	
淺談食品之毒物	Introduction of Toxicology and Food	選修 Elective	2	V			3.9	

科普領域課程

Science and Technology Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
		必修						
普通心理學	General Psychology	選修 Elective	2		V	心理系，語言治療與聽力學系，職能治療學系，護理學系及醫學系不列計 列通識學分 General education credits are not counted for the Department of Psychology, the Department of Speech Language Pathology and Audiology, the Department of Occupational Therapy, the Department of Nursing, and the School of Medicine.	4.3	
進階程式語言	Advanced Programming Language	選修 Elective	2	V	V	醫資系不列計通識學分 General education credits are not counted for the Department of Medical Informatics.	4.4	
邏輯方法	Logical Methodology	選修 Elective	2	V	V		4.7	
建築賞析與綠建築環境實踐	Appreciate and Practice for Architecture and Green Building	選修 Elective	2	V			13.3	
影劇中的數學	Mathematics in Dramas	選修	2	V			4.3	

科普領域課程

Science and Technology Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
		Elective						
輻射概論	Introduction to Radiation	選修 Elective	2	V		醫影系不列計通識學分 General education credits are not counted for the Department of Medical Imaging and Radiological Sciences.	11.1	
輻射安全	Radiation Safety	選修 Elective	2		V	醫影系，公共衛生學系不列計通識學分 General education credits are not counted for the Department of Medical Imaging and Radiological Sciences and the Department of Public Health.	11.1	
輻射與人生	Radiation and Life	選修 Elective	2		V	醫影系不列計通識學分 General education credits are not counted for the Department of Medical Imaging and Radiological Sciences	11.1	
生命科學與工程	Life Science and Engineering	選修 Elective	2		V		3.8	
探索生命密碼	Discover Life Code	選修 Elective	2	V			4.4	

科普領域課程

Science and Technology Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
		必修						
毒物與生活	Poison and life	選修 Elective	2	V	V		3.4	
藥理學概論	Introduction to Pharmacology	選修 Elective	2	V	V	生物醫學科學學系 不列計通識學分 General education credits are not counted for the Department of Biomedical Sciences.	3.4	
自然環境與生命科學	Natural Environment and Life Sciences	選修 Elective	2	V			4.3	
生命之歌	The Wisdom of the Body	選修 Elective	2	V	V		3.4	
生活化學	Chemistry of Life	選修 Elective	2	V		醫化系不列計通識 學分 General education credits are not counted for the Department of Medical Applied Chemistry	3.4	
表觀遺傳學與人生	Epigenetics and Our Life	選修 Elective	2		V		4.3	
工作與風險	Work and Risk	選修 Elective	2	V			8.7	
環境變化與人生	Environmental Changes and the Real-Life	選修 Elective	2		V		3.4	

科普領域課程

Science and Technology Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必選 修 Requ ired Elect ive	學分 數 Cred its	第一 學期 1st Sem ester	第二 學期 2st Sem ester	選修限制 Elective Restrictions	SDG	備註 Remarks
		ive						
運動處方與實務	Exercise Prescription and Practice	選修 Elect ive	2	V			3.8	

4、『社會領域課程』 Social Sciences Domain

社會領域課程								
the Social Sciences Domain								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必選修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
變態行為與現代生活	The Abnormal Behavior & Modern Life	選修 Elective	2	V	V	心理系不列計通識學分 General education credits are not counted for the Department of Psychology.	3.4	
性別、健康與醫療	Gender、Health and Medicine	選修 Elective	2		V		5.2	
老人健康照護	Health Care for Older Adults	選修 Elective	2		V		3.4	
毒品的世界	Narcotic World	選修 Elective	2		V	心理系不列計通識學分 General education credits are not counted for the Department of Psychology.	4.1	
愛情心理學	Love Psychology	選修 Elective	2		V		5.2	
情緒管理	Emotion Management	選修 Elective	2		V		3.4	
大學生軟實力修煉	Training of Soft Skills for College Students	選修 Elective	2	V	V		4.3	
日本文化與社會	Japanese Culture and Society	選修 Elective	2		V		4.7	
影像觀點：觀看與實踐	Viewpoint of Images: Seeing and Practice	選修 Elective	2	V			4.3	
哲學概論	Introduction to Philosophy	選修 Elective	2		V		4.3	
性別教育	Gender Education	選修 Elective	2	V	V		10.3	
南島文化與原住民族	Austronesian Culture & Introduction to Taiwanese Aboriginal Social	選修 Elective	2	V	V		15.1	

社會領域課程

the Social Sciences Domain

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必選修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2nd Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
性別與健康照護	Gender & Health Care	選修 Elective	2		V		5.4	
哲學思維與生活	Philosophical Thinking and Life	選修 Elective	2	V			4.7	
發明與專利	Invention and Patent	選修 Elective	2	V	V		8.6	
智慧財產權概論	The Introduction of Intellectual Property Rights	選修 Elective	2	V			8.6	
醫療與法律	Medical Law	選修 Elective	2		V		16.5	
職業規畫與輔導	Employment Counseling and Planning	選修 Elective	2		V		4.2	
創新經營與管理	Innovation Operation and Management	選修 Elective	2	V			8.6	
創新與創業思考	Innovation and Entrepreneurship Thinking	選修 Elective	2		V		8.6	
生活與意外	Life and Accident	選修 Elective	2		V		11.5	
邊玩遊戲，邊學經濟	Learning Economics by Playing	選修 Elective	2	V	V		2.c	
在溝通與反思中實踐性別	Doing Gender via Communication and Reflection	選修 Elective	2	V			10.3	
消費、銷售與生活	Consumption, Sales and Life	選修 Elective	2	V			12.3	
AI醫療創新與創業心法	AI Medical Innovation and Entrepreneurship Strategies	選修 Elective	2	V			8.6	
智慧醫療與ESG創業基石	Smart Healthcare and ESG Entrepreneurship Foundations	選修 Elective	2	V			9.4	

(三) 「國防通識課程」 National Defense General Education Courses

國防通識課程								
National Defense General Education Courses								
科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	必修 Required Elective	學分數 Credits	第一學期 1st Semester	第二學期 2st Semester	選修限制 Elective Restrictions	SDG	備註 Remarks
全民國防教育軍事訓練-全民國防	All-people Defense	選修 Elective	1	√	√	不列入通識畢業學分 Not included in the general education graduation credits.	11.5	
全民國防教育軍事訓練-國防政策	The Defense Doctrine	選修 Elective	1		√	不列入通識畢業學分 Not included in the general education graduation credits.	11.5	
全民國防教育軍事訓練-國際情勢	International Situations	選修 Elective	1	√		不列入通識畢業學分 Not included in the general education graduation credits.	11.5	
全民國防教育軍事訓練-國防科技	Science and Technology	選修 Elective	1		√	不列入通識畢業學分 Not included in the general education graduation credits.	11.5	
全民國防教育軍事訓練-防衛動員	Defense Mobilization	選修 Elective	1	√		不列入通識畢業學分 Not included in the general education graduation credits.	11.5	

中山醫學大學 113 學年度入學新生適用

Applicable to freshmen admitted in the 113th academic year of Chung Shan Medical University

【體育課程選課須知】

【Instructions for Selecting Physical Education Courses】

壹、課程

I. Courses

1. 大學部一、二年級體育課程為必修，每週授課兩小時為 1 學分，成績併入該學期學業成績計算。

Physical education courses for first and second-year undergraduate students are compulsory, with two hours of instruction per week, earning 1 credit. The grades are included in the calculation of the academic performance for that semester.

2. 課程規劃：

Course Planning:

(1) 體育中心開設的體育課程，例如：體育-桌球、體育-排球、體育-足球等。同學可依個人興趣及空堂自由選課，但每人每學期限選 1 門體育課程。

The Physical Education Center offers various physical education courses, such as PE-Table Tennis, PE-Volleyball, PE-Soccer, etc. Students can freely choose courses based on their interests and available time slots, but each student can only select one physical education course per semester.

(2) 大學部一、二年級同學請在選課預選及選課加退選時至選課系統選課，不得參加人工特殊加退選。

First and second-year undergraduate students must select their courses through the course selection system during the pre-selection and add/drop periods. Participation in manual special add/drop is not allowed.

3. 「體育-適應體育」班：

「PE-Adaptive Physical Education」Class：

(1) 對於不適合激烈運動、身障生或其他特殊情況的同學可以轉至「體育-適應體育」修課。

Students who are not suitable for intense physical activities, have disabilities, or are in other special circumstances may enroll in the "PE-Adaptive Physical Education" course.

(2) 如需轉至「體育-適應體育」修課的同學，請於開學後第一次上課前攜帶公立醫院或教學醫院開具之證明至體育中心審定，並辦理轉班。

Students who need to transfer to the 「PE-Adaptive Physical Education」 course should bring a certificate issued by a public or teaching hospital to the Physical Education Center for approval before the first class of the semester, and then proceed with the transfer process.

貳、修課規定

II. Course Regulations

1. 大學部學生必須修滿 4 學分體育課程且成績及格始得畢業，但超修不予列入畢業學分數。

Undergraduate students must complete a minimum of 4 credits in physical education courses and obtain a passing grade to be eligible for graduation. However, credits earned beyond this requirement will not be counted towards graduation.

2. 人工特殊加退選注意事項：

Special Notes for Manual Add/Drop Procedures:

限大三以上重、補修及已修滿 4 學分欲加修體育課程者，辦理人工特殊加退選，每學期至多修習 2 門，請同學自行列印加退選後的「一週課表」及中山醫學大學大學部選修各學系課程人工特殊加退選申請表，至體育中心辦理，未備齊者不予受理。

For juniors (third-year students) and above who wish to enroll in physical education courses for retaking, makeup, or after completing 4 credits, manual special add/drop procedures apply. Each semester, students may enroll in a maximum of 2 courses. Please print the "Weekly Schedule" after add/drop registration and the "Application Form for Manual Special Add/Drop of Elective Courses for Undergraduate Departments of Chung Shan Medical University." Submit these documents to the Physical Education Center for processing. Incomplete submissions will not be accepted.

3. 第一週上課地點請參閱課程綱要或進入體育中心網站公告之地點集合。

Please refer to the course syllabus or visit the Physical Education Center website for location details regarding the first week of classes.

4. 修習體育課程應穿著合適之運動服裝或修課教師規定之服裝。

Students taking physical education courses must wear appropriate sportswear or attire specified by the course instructor.

參、授課場地

III. Teaching Venues

1.校內授課場地表

List of On-Campus Teaching Venues

項目 (Item)	場地 (Venue)	備註 (Remarks)
籃球 Basketball	多功能運動場 (大慶運動場) Multipurpose Sports Field、Daqing Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
排球 Volleyball	多功能運動場 Multipurpose Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
國術 Martial arts	多功能運動場 Multipurpose Sports Field	
防身術 Defensive Surgery	多功能運動場 Multipurpose Sports Field	
足球 Soccer	大慶運動場 Daqing Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
飛盤 Frisbee	大慶運動場 Daqing Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
高爾夫 Golf	大慶運動場 Daqing Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
木球 Woodenball	大慶運動場 Daqing Sports Field	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
桌球 Table Tennis	大慶運動場-桌球教室 Daqing Sports Field- Table Tennis Room	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
網球 Tennis	大慶運動場-網球場 Daqing Sports Field- Tennis Court	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
匹克球 Pickleball	大慶運動場-網球場 Daqing Sports Field- Tennis Court	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School
健康體適能 Healthy Fitness	大慶運動場-重量訓練室 Daqing Sports Field- Weight Training Room	
國際標準舞 Ballroom Dance	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required

瑜珈 Yoga	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required
核心運動 Core Movement	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required
排舞 Line Dance	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required
流行舞蹈 Popular Dance	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required
有氧舞蹈 Aerobics Dance	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required
適應體育 Adapt to Sports	大慶運動場-舞蹈教室 Daqing Sports Field- Dance Studio	自備鞋底乾淨軟底鞋 Clean Soft-Soled Shoes Required

2.校外授課場地：第1週至第3週於大慶運動場集合

Off-Campus Teaching Venues : Gather at Daqing Sports Field from Week 1 to Week 3.

項目 (Item)	場地 (Venue)	備註 (Remarks)
游泳 Swimming	南屯運動中心 Nan Tun Sports Center 電話 (TLE) : 04-2382-9120 住址 : 台中市南屯區黎明路一段 998 號 Address : 998, Section 1, Li Ming Road, Nantun District, Taichung City	自備泳帽、泳裝、水鏡 Bring Your Own Swim Cap, Swimwear, and Goggles
羽球 Badminton	佳青羽球館 Jiaqing Badminton Hall 電話 (TLE) : 04-22603597 住址 : 台中市南區樹義里福田三街 302 號 2 樓 Address : 302, 2nd Floor, Fu Tian 3rd Street, Shu Yi Village, South District, Taichung City	器材自備或學校借用 Bring Your Own Equipment or Borrow from the School

中山醫學大學 113 學年度體育課程

Physical Education Courses for the 113th Academic Year at Chung Shan Medical University

科目名稱 Course Name in Chinese	英文科目名稱 Course Name in English	開課年級 Starting grade	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
體育-桌球	Physical Education- Table Tennis	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-排球	Physical Education- Volleyball	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-游泳	Physical Education- Swimming	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-足球	Physical Education- Soccer	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-網球	Physical Education- Tennis	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-籃球	Physical Education- Basketball	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-羽球	Physical Education- Badminton	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-木球	Physical Education- Woodenball	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-飛盤	Physical Education- Frisbee	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-國術	Physical Education- Martial arts	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-瑜珈	Physical Education- Yoga	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-排舞	Physical Education- Line Dance	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education

							Courses
體育-匹克球	Physical Education-Pickleball	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-高爾夫	Physical Education-Golf	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-防身術	Physical Education-Defensive Surgery	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-有氧運動	Physical Education-Aerobic Exercise	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-重量訓練	Physical Education-Weight Training	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-核心運動	Physical Education-Core Movement	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-有氧舞蹈	Physical Education-Aerobics Dance	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-流行舞蹈	Physical Education-Popular Dance	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-健康體適能	Physical Education-Healthy Fitness	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-國際標準舞	Physical Education-Ballroom Dance	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses
體育-適應體育	Physical Education-Adapt to Sports	一、二年級 一、二 grade	必修 Required	1	V	V	共同教育課程 Common Education Courses