

115

## 115 學年度 雙主修 應修科目及學分表



教務處註冊課務組

中山醫學大學

115

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115 年 6 月 18 日經 114 學年度第 2 學期第 1 次教學暨課程委員會會議通過

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# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學院護理學系

Department of Nursing, College of Medicine

| 第一學年<br>1 <sup>st</sup> Academic Year |                                  |                            |                                 |                                                |                                                |               |
|---------------------------------------|----------------------------------|----------------------------|---------------------------------|------------------------------------------------|------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese        | 科目英文名稱<br>Course Name in English | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 解剖學                                   | Human Anatomy                    | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 解剖學實驗                                 | Human Anatomy Laboratory         | 必修<br>Required             | 1                               | 1                                              | 0                                              |               |
| 普通心理學                                 | General Psychology               | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 生理學                                   | Physiology                       | 必修<br>Required             | 2                               | 0                                              | 2                                              |               |
| 生物化學                                  | Biochemistry                     | 必修<br>Required             | 2                               | 0                                              | 2                                              |               |
| 生理學實驗                                 | Physiology Laboratory            | 必修<br>Required             | 1                               | 0                                              | 1                                              |               |
| 護理學導論                                 | Introduction to Nursing          | 必修<br>Required             | 2                               | 0                                              | 2                                              |               |
| 必修學分合計 Required Credits Subtotal      |                                  |                            | 12                              | 5                                              | 7                                              |               |

| 第二學年<br>2 <sup>nd</sup> Academic Year |                                     |                            |                                 |                                                |                                                |               |
|---------------------------------------|-------------------------------------|----------------------------|---------------------------------|------------------------------------------------|------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese        | 科目英文名稱<br>Course Name in English    | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 病理學                                   | Pathology                           | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 基本護理學                                 | Fundamentals of Nursing             | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 基本護理學實驗                               | Fundamental Nursing Laboratory      | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 微生物學及免疫學                              | Microbiology & Immunology           | 必修<br>Required             | 2                               | 2                                              | 0                                              |               |
| 藥理學                                   | Pharmacology                        | 必修<br>Required             | 3                               | 0                                              | 3                                              |               |
| 人類發展學                                 | Human Development                   | 必修<br>Required             | 2                               | 0                                              | 2                                              |               |
| 身體檢查與評估                               | Physical Examination and Assessment | 必修<br>Required             | 2                               | 0                                              | 2                                              |               |
| 人類發展學實驗                               | Human Development Laboratory        | 必修<br>Required             | 1                               | 0                                              | 1                                              |               |

| 第 二 學 年<br>2nd Academic Year     |                                                |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 基本護理學實習                          | Practicum in Fundamentals of Nursing           | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 身體檢查與評估實驗                        | Physical Examination and Assessment Laboratory | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                |                                 | 18                              | 8                                                  | 10                                                 |               |

| 第 三 學 年<br>3rd Academic Year   |                                                |                                 |                                 |                                                    |                                                    |                                                                                                                 |
|--------------------------------|------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                                                                                                   |
| 成人內外科護理學(一)                    | Adult Medical-surgical Nursing(I)              | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |                                                                                                                 |
| 生物統計學                          | Biostatistics                                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                                                                 |
| 成人內外科護理學(二)                    | Adult Medical-surgical Nursing(II)             | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |                                                                                                                 |
| 成人內外科護理學實習(一)                  | Practicum in Adult Medical-surgical Nursing(I) | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |                                                                                                                 |
| 兒科護理學實習                        | Practicum in Pediatric Nursing                 | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  | 甲班選課<br>Class A                                                                                                 |
| 婦嬰護理學實習                        | Practicum in Maternal-newborn Nursing          | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  | 甲班選課<br>Class A                                                                                                 |
| 社區衛生護理學實習                      | Practicum in Community Health Nursing          | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  | 乙班選課<br>Class B                                                                                                 |
| 精神衛生護理學實習                      | Practicum in Psychiatric Mental Health Nursing | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  | 乙班選課<br>Class B                                                                                                 |
| 護理學技術與實驗                       | Nursing Skills and Laboratory                  | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                                                                                                 |
| 兒科護理學                          | Pediatric Nursing                              | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                | 甲班上學期選課<br>乙班下學期選課<br>Class A selects<br>their course in<br>the first semester,<br>and Class B in<br>the second |
| 社區衛生護理學                        | Community Health Nursing                       | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                | 乙班上學期選課<br>甲班下學期選課<br>Class B selects<br>their course in<br>the first semester,<br>and Class A in<br>the second |

第 三 學 年

3rd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English  | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                                                                                                   |
|----------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 精神衛生護理學                          | Psychiatric Mental Health Nursing | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                | 乙班上學期選課<br>甲班下學期選課<br>Class B selects<br>their course in<br>the first semester,<br>and Class A in<br>the second |
| 婦嬰護理學                            | Maternal-Newborn Nursing          | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                | 甲班上學期選課<br>乙班下學期選課<br>Class A selects<br>their course in<br>the first semester,<br>and Class B in<br>the second |
| 必修學分合計 Required Credits Subtotal |                                   |                                 | 30                              | 11                                                 | 19                                                 |                                                                                                                 |

備註：護理學系選課須知：

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。

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。

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。

(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。

Guidelines for Course Registration in the Nursing Department:

- 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.
- (1) Class A requires 11 credits in the first semester, covering Adult Medical-surgical Nursing (I), Biostatistics, Pediatric Nursing, and Maternal-Newborn Nursing.  
(2) Class B also requires 11 credits, including Adult Medical-surgical Nursing (I), Biostatistics, Community Health Nursing, and Psychiatric Mental Health Nursing.
- (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.  
(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.

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

| 科目名稱<br>Course Name in Chinese                                                                                                                                                | 英文科目名稱<br>Course Name in English       | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1st<br>Semester<br>Credits | 第二<br>學期<br>2nd<br>Semester<br>Credits | 備註<br>Remarks |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|---------------------------------|----------------------------------------|----------------------------------------|---------------|
| 社會統計                                                                                                                                                                          | Social Statistics                      | 必修<br>Required                  | 6                               | 3                                      | 3                                      |               |
| 社會學                                                                                                                                                                           | Sociology                              | 必修<br>Required                  | 4                               | 2                                      | 2                                      |               |
| 心理學                                                                                                                                                                           | Psychology                             | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社會工作概論                                                                                                                                                                        | Introduction to Social Work            | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 人類行為與社會環境                                                                                                                                                                     | Human Behavior in Social Environment   | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 社會福利概論                                                                                                                                                                        | Introduction to Social Welfare         | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 社會研究法                                                                                                                                                                         | Research Method of Society             | 必修<br>Required                  | 4                               | 2                                      | 2                                      |               |
| 醫療社會學                                                                                                                                                                         | Medical Sociology                      | 必修<br>Required                  | 4                               | 2                                      | 2                                      |               |
| 社會個案工作                                                                                                                                                                        | Social Casework                        | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社會團體工作                                                                                                                                                                        | Social Group Work                      | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 醫療社會工作                                                                                                                                                                        | Medical Social Work                    | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 組織行為                                                                                                                                                                          | Organizational Behavior                | 必修<br>Required                  | 2                               | 0                                      | 2                                      |               |
| 社會心理學                                                                                                                                                                         | Social Psychology                      | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 社會工作管理                                                                                                                                                                        | Social Work Management                 | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社會學理論                                                                                                                                                                         | Theory of Sociology                    | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 方案設計與評估                                                                                                                                                                       | Program Design and Evaluation          | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社區組織與發展                                                                                                                                                                       | Community Organization and Development | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 質性研究                                                                                                                                                                          | Qualitative Research                   | 必修<br>Required                  | 2                               | 0                                      | 2                                      |               |
| 經濟社會學                                                                                                                                                                         | Economic Sociology                     | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 社會福利行政                                                                                                                                                                        | Social Welfare Administration          | 必修<br>Required                  | 3                               | 0                                      | 3                                      |               |
| 社會政策與社會立法                                                                                                                                                                     | Social Policy and Social Legislation   | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社會工作倫理                                                                                                                                                                        | Social Work Ethics                     | 必修<br>Required                  | 2                               | 0                                      | 2                                      |               |
| 社會工作實習(一)                                                                                                                                                                     | Practicum in Social Work (I)           | 必修<br>Required                  | 3                               | 3                                      | 0                                      |               |
| 社會工作實習(二)                                                                                                                                                                     | Practicum in Social Work (II)          | 必修<br>Required                  | 2                               | 0                                      | 2                                      |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                              |                                        |                                 | 74                              | 39                                     | 35                                     |               |
| 最低畢業學分數 94 學分，必修 74 學分，專業選修課程至少 20 學分<br>Minimum graduation credits: 94 credits, compulsory 74 credits, at least 20 credits of elective courses for majors in this department |                                        |                                 |                                 |                                        |                                        |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學院心理學系

Department of Psychology

第一學年

1st Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                 |
|----------------------------------|----------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------|
| 普通心理學(一)                         | General Psychology(I)            | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                               |
| 心理統計學 (一)                        | Statistics in Psychology ( I )   | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                               |
| 普通心理學(二)                         | General Psychology(II)           | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 心理統計學 (二)                        | Statistics in Psychology ( II )  | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 生理學                              | Physiology                       | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                               |
| 心理學研究法(一)                        | Research Method of Psychology(I) | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                               |
| 腦傷與行為                            | Brain Damage and Behavior        | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 性別與心理健康                          | Gender and Mental Health         | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 心理學與職涯規畫                         | Psychology and Career Planning   | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 成癮藥物導論                           | Introduction to Drug Abuse       | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>ProfessionalElectives |
| 輔導原理                             | Principle of Guidance            | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修                          |
| 統計軟體實務                           | Statistical Software             | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>ProfessionalElectives |
| 必修學分合計 Required Credits Subtotal |                                  |                            | 16                              | 6                                                  | 10                                                 |                               |

第二學年

2nd Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English  | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------|-----------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 發展心理學                          | Developmental Psychology          | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 心理測驗學                          | Psychological Testing             | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 人格心理學                          | Personality Psychology            | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 知覺心理學                          | Perceptual Psychology             | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 心理學研究法(二)                      | Research Method of Psychology(II) | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |

第 二 學 年

2ndAcademic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English               | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                 |
|----------------------------------|------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------|
| 認知心理學                            | Cognitive Psychology                           | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 社會心理學                            | Social Psychology                              | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 諮商理論與技術                          | Theory and Practice of Counseling              | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 認知知覺心理學實驗                        | Cognitive and Perceptual Psychology Laboratory | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                               |
| 心理測驗實務                           | Practice in Psychological Testing              | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                               |
| 心理衛生                             | Mental Health                                  | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 普通社會學                            | General Sociology                              | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 專題研究(一)                          | Independent Study(I)                           | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 輔導實務                             | Practice in Guidance                           | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 專題研究(二)                          | Independent Study (II)                         | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>ProfessionalElectives |
| 創傷心理學                            | Trauma Psychology                              | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>ProfessionalElectives |
| 成人發展與老化                          | Adult Development and Aging                    | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>ProfessionalElectives |
| 必修學分合計 Required Credits Subtotal |                                                |                            | 26                              | 14                                                 | 12                                                 |                               |

第 三 學 年

3rdAcademic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                         | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                 |
|--------------------------------|----------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------|
| 變態心理學                          | Abnormal Psychology                                      | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                               |
| 神經解剖與生理                        | Neural Anatomy and Physiology                            | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                               |
| 社會及人格心理學實驗                     | Social and Personality Psychology Laboratory             | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                               |
| 生理心理學                          | Biopsychology                                            | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                               |
| 早期療育實務                         | Practice in Early Intervention                           | 選修<br>Elective             | 3                               | 3                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 心理藥物學                          | Psychopharmacology                                       | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 生理心理學實驗                        | Biopsychological Laboratory                              | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 工商心理學概論                        | Introduction to Industrial and Organizational Psychology | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |
| 認知神經心理學                        | Cognitive Neuropsychology                                | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>ProfessionalElectives |

第 三 學 年

3rd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                     | 必選修<br>Required Elective | 合計學分<br>Credits Subtotal | 第一學期<br>1 <sup>st</sup> Semester Credits | 第二學期<br>2 <sup>nd</sup> Semester Credits | 備註<br>Remarks                  |
|----------------------------------|----------------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------|------------------------------------------|--------------------------------|
| 腦電圖與事件關聯電位實驗                     | Electroencephalography/Event Related Potentials (EEG/ERP) Laboratory | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 情緒心理學                            | Emotion                                                              | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 悲傷諮商                             | Grief Counseling                                                     | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 孕產期心理健康                          | Perinatal Mental Health                                              | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 健康心理學                            | Health Psychology                                                    | 選修<br>Elective           | 3                        | 0                                        | 3                                        | 專業選修<br>Professional Electives |
| 心理衡鑑                             | Psychological Assessment                                             | 選修<br>Elective           | 3                        | 0                                        | 3                                        | 專業選修<br>Professional Electives |
| 行為治療                             | Behavioral Therapy                                                   | 選修<br>Elective           | 3                        | 0                                        | 3                                        | 專業選修<br>Professional Electives |
| 團體心理治療                           | Group Psychotherapy                                                  | 選修<br>Elective           | 3                        | 0                                        | 3                                        | 專業選修<br>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<br>Elective           | 3                        | 0                                        | 3                                        | 專業選修<br>Professional Electives |
| 兒童偏差行為                           | Abnormal Psychology in Childhood                                     | 選修<br>Elective           | 2                        | 0                                        | 2                                        | 專業選修<br>Professional Electives |
| 犯罪心理學                            | Criminal Psychology                                                  | 選修<br>Elective           | 2                        | 0                                        | 2                                        | 專業選修<br>Professional Electives |
| 精神醫學概論                           | Introduction to Psychiatric Medicine                                 | 選修<br>Elective           | 2                        | 0                                        | 2                                        | 專業選修<br>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<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                    | 必選修<br>Required Elective | 合計學分<br>Credits Subtotal | 第一學期<br>1 <sup>st</sup> Semester Credits | 第二學期<br>2 <sup>nd</sup> Semester Credits | 備註<br>Remarks                  |
|--------------------------------|-----------------------------------------------------|--------------------------|--------------------------|------------------------------------------|------------------------------------------|--------------------------------|
| 臨床心理學                          | Clinical Psychology                                 | 必修<br>Required           | 3                        | 3                                        | 0                                        |                                |
| 司法心理學概論                        | Introduction to Forensic Psychology                 | 選修<br>Elective           | 3                        | 3                                        | 0                                        | 專業選修<br>Professional Electives |
| 臨床心理學專題討論                      | Seminar in Clinical Psychology                      | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 臨床神經心理學                        | Clinical Neuropsychology                            | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 心理學實務                          | Practice in Psychology                              | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 兒童臨床心理學實務                      | Practice in Clinical Child Psychology               | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 注意力不足過動症專題                     | Seminar in Attention Deficit Hyperactivity Disorder | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |
| 團體心理治療實務                       | Practice of Group Psychotherapy                     | 選修<br>Elective           | 2                        | 2                                        | 0                                        | 專業選修<br>Professional Electives |

第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English  | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                  |
|----------------------------------|-----------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------|
| 兒童遊戲治療                           | Child Play Therapy                | 選修<br>Elective             | 3                               | 0                                                  | 3                                                  | 專業選修<br>Professional Electives |
| 助人專業倫理                           | Ethics in the Helping Professions | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>Professional Electives |
| 生理回饋                             | Biofeedback                       | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>Professional Electives |
| 親職諮詢                             | Parenting Consultation            | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>Professional Electives |
| 必修學分合計 Required Credits Subtotal |                                   |                            | 3                               | 3                                                  | 0                                                  |                                |

最低畢業學分數 86 學分，必修 56 學分，選修 30 學分

Minimum graduation credits: 86 credits, compulsory 56 credits, elective 30 credits

說明 Instructions：

一、本科目學分表至少修習必修課程 56 學分，專業選修 30 學分(含)以上。

二、普通心理學僅認列全學年課程(上、下學期各 3 學分)。普通心理學上學期加下學期學分數未滿 6 學分者，皆需加選本系普通心理學全學年課程(上、下學期各 3 學分)。

三、心理統計學僅認列全學年課程(上、下學期各 3 學分)。統計相關課程上學期加下學期學分數未滿 6 學分者，皆需加選本系心理統計學全學年課程(上、下學期各 3 學分)。另外，非各校心理系取得的統計學，即使已有 6 學分，仍需補修本校心理系開設的心理統計學下學期 3 學分。因為非心理系取得的統計學分並無心理學的脈絡含攝其中，可能導致無法將統計學適當地應用在心理學課程及相關研究之缺失。

四、除了普通心理學與心理統計學之外，若所選課程為其原學系開設(非通識課程)，符合以下之一者，提供修課內容經本系原開課教師及系主任同意後，得改修本系專業選修科目以補足學分。

(一)科目名稱、內容及學分相同者；或

(二)內容相同，但科目名稱及學分不同者。

五、學生若需至校外選修相關課程，須為本校未開課之科目且經本系該科目授課教師同意方可認為雙主修科目。

六、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。

七、本科目學分表均依照本校心理學系科目學分表制訂，如有變更依照心理學系科目學表為主。

第 四 學 年

4thAcademic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| <p>1. Students must complete at least 56 credits of required courses and a minimum of 30 credits of professional elective courses.</p> <p>2. General Psychology is only recognized when completed as a full-year course (3 credits each for the first and second semesters). Students whose combined credits for General Psychology in the first and second semesters total less than 6 credits must additionally enroll in the Department's full-year General Psychology course (3 credits each for the first and second semesters).</p> <p>3. Statistics in Psychology is only recognized when completed as a full-year course (3 credits each for the first and second semesters). Students whose combined credits for statistics-related courses in the first and second semesters total less than 6 credits must additionally enroll in the Department's full-year Statistics in Psychology course (3 credits each for the first and second semesters). Furthermore, students who earned 6 credits of statistics outside of a university's Department of Psychology are still required to make up 3 credits by taking the second semester of our Department's Statistics in Psychology course. This is because statistics courses taken outside of a psychology program do not incorporate the psychological context necessary for properly applying statistical methods to psychology coursework and related research.</p> <p>4. Aside from General Psychology and Statistics in Psychology, if a course taken was offered by its original department (not a general education course) and meets one of the following conditions, students may, upon submission of the course content and with the approval of the original course instructor and the Department Chair, substitute it with a professional elective course offered by the Department to fulfill credit requirements:</p> <p>(1) The course title, content, and credits are identical, or</p> <p>(2) The course content is identical, but the course title and (or) credits differ.</p> <p>5. If students need to take related courses outside the university, the courses must be ones not offered by the university and must be approved by the instructor responsible for the corresponding subject in the Department before they can be recognized as part of the double major requirements.</p> <p>6. Course prerequisites are marked with stars, 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> <p>7. The curriculum credit table for this program is formulated based on the Department of Psychology's curriculum credit table. In the event of any changes, the Department of Psychology's curriculum credit table shall prevail.</p> |                                  |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

1<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 普通生物學(一)                         | General Biology(I)               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通化學                             | General Chemistry                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 有機化學                             | Organic Chemistry                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 組織學                              | Histology                        | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生理學                              | Physiology                       | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生物統計學                            | Biostatistics                    | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生物化學(一)                          | Biochemistry(I)                  | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生物化學實驗                           | Biochemistry Laboratory          | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 病理切片技術學                          | Histopathologic Techniques       | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 病理切片技術實驗                         | Histopathologic Laboratory       | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                  |                            | 17                              | 6                                                  | 11                                                 |               |

### 第二學年

2<sup>nd</sup> Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------|----------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 生物化學(二)                        | Biochemistry(II)                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 免疫學                            | Immunology                       | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 臨床生理學                          | Clinical Physiology              | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 臨床生理學實驗                        | Clinical Physiology Laboratory   | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 分子生物學(一)                       | Molecular Biology (I)            | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫學專題討論(一)                      | Seminar in Biomedicine (I)       | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |

| 第 二 學 年<br>2nd Academic Year     |                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 臨床血液學(一)                         | Clinical Hematology (I)          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 寄生蟲學                             | Parasitology                     | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 寄生蟲學實驗                           | Parasitology Laboratory          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 微生物學                             | Microbiology                     | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 微生物學實驗                           | Microbiology Laboratory          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 醫學專題討論(二)                        | Seminar in Biomedicine (II)      | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                  |                                 | 20                              | 10                                                 | 10                                                 |               |

| 第 三 學 年<br>3rd Academic Year   |                                                      |                                 |                                 |                                                    |                                                    |               |
|--------------------------------|------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                     | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 臨床生化學                          | Clinical Biochemistry                                | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 臨床生化學實驗                        | Clinical Biochemistry Laboratory                     | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 臨床鏡檢學                          | Clinical Microscopy                                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床鏡檢學實驗                        | Clinical Microscopy Laboratory                       | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 臨床血液學(二)                       | Clinical Hematology (II)                             | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床血液學實驗                        | Clinical Hematology Laboratory                       | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 血庫學                            | Blood Banking                                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床微生物學                         | Clinical Microbiology                                | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 臨床微生物學實驗                       | Clinical Microbiology Laboratory                     | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 醫學分子檢驗學                        | Molecular Diagnostics in Medicine                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 臨床血清免疫學                        | Clinical Serology & Immunology                       | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 臨床血清免疫學實驗                      | Clinical Serology & Immunology Laboratory            | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 臨床病毒學                          | Clinical Virology                                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 臨床病毒與分子檢驗實驗                    | Clinical Virology and Molecular Diagnosis Laboratory | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 病理學                            | Pathology                                            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |

| 第 三 學 年<br>3rd Academic Year     |                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 必修學分合計 Required Credits Subtotal |                                  |                                 | 26                              | 12                                                 | 14                                                 |               |

| 第 四 學 年<br>4th Academic Year     |                                                               |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|---------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                              | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 生物技術學                            | Biotechnology                                                 | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 醫學實驗室管理及品質管理                     | Management of Medical Laboratory and Quality Management       | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 臨床微生物實習                          | Practicum in Clinical Microbiology                            | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                |               |
| 臨床血庫實習                           | Practicum in Clinical Blood Banking                           | 必修<br>Required                  | 1                               | (1)                                                | (1)                                                |               |
| 臨床生化實習                           | Practicum in Clinical Chemistry                               | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 臨床血清免疫實習                         | Practicum in Clinical Seroimmunology                          | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 臨床血液實習                           | Practicum in Clinical Hematology                              | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 臨床鏡檢實習                           | Practicum in Clinical Microscopy                              | 必修<br>Required                  | 3                               | (3)                                                | (3)                                                |               |
| 臨床生理實習                           | Practicum in Clinical Physiology                              | 必修<br>Required                  | 2                               | (2)                                                | (2)                                                |               |
| 病理切片與細胞診斷實習                      | Practicum in Clinical Histopathologic and Cytologic Diagnosis | 必修<br>Required                  | 1                               | (1)                                                | (1)                                                |               |
| 醫學分子檢驗實習                         | Practicum in Molecular Diagnostics in Medicine                | 必修<br>Required                  | 1                               | (1)                                                | (1)                                                |               |
| 必修學分合計 Required Credits Subtotal |                                                               |                                 | 21                              | (21)                                               | (21)                                               |               |

最低畢業學分數 84 學分，必修 84 學分

Minimum graduation credits: 84 credits, compulsory 84 credits

說明 Instructions :

- 本科目學分表均依照本校醫學檢驗暨生物技術學系科目學分表制訂，如有變更，依照醫學檢驗暨生物技術學系科目學表為主。  
The credit table of this course is formulated in accordance with the credit table of the Department of Medical Laboratory and Biotechnology of our school. If there is any change, the credit table of the Department of Medical Laboratory and Biotechnology will prevail.

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                               | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|--------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 解剖學                              | Human Anatomy                                                                  | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 解剖學實驗                            | Human Anatomy Laboratory                                                       | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 普通生物學                            | General Biology                                                                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通生物學實驗                          | General Biology Laboratory                                                     | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※物理治療導論                          | Introduction to Physical Therapy                                               | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※表體解剖學                           | Surface Anatomy-Palpation and Surface Markings                                 | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※表體解剖學實習                         | Practicum in Surface Anatomy-Palpation and Surface Markings                    | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 普通物理學                            | General Physics                                                                | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※生物統計學                           | Biostatistics                                                                  | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 微積分(一)                           | Calculus(I)                                                                    | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 微積分(二)                           | Calculus(II)                                                                   | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(一)                          | Independent Study( I)                                                          | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 運動科學概論                           | Introduction to Exercise Science                                               | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 銀髮族保健學                           | Health Care for the Elderly Adults                                             | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 物理治療師生涯規劃                        | Career Planning in Physical Therapist                                          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 輔具於生活之應用                         | Application of assistive devices in daily life                                 | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 物理治療專業英文                         | Professional English in Physical Therapy                                       | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 急救學及實作                           | First Aid and Practicum                                                        | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 健康運動與肌肉筋膜放鬆                      | Healthy Exercise and Myofascial Relaxation                                     | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 人工智慧在物理治療的運用與發展                  | The application and development of artificial intelligence in physical therapy | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 智慧化輔助科技                          | Intelligent Assistive Technology                                               | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                                |                            | 14                              | 8                                                  | 6                                                  |               |

第 二 學 年

2nd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                     | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| ※神經解剖學（含實驗）                      | Neuroanatomy(include Lab )                                           | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| ※物理治療倫理學                         | Ethics in Physical Therapy                                           | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※肌動學                             | Kinesiology                                                          | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| ※熱療學                             | Thermal Agent Therapy                                                | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※熱療學實習                           | Practicum in Thermal Agent Therapy                                   | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※物理治療臨床見習(一)                     | Clinical Observation in Physical Therapy(I)                          | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※物理治療技術學                         | Fundamental Physical Therapy Techniques                              | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※物理治療技術學實習                       | Practicum in Fundamental Physical Therapy Techniques                 | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 生理學(一)                           | Physiology(I)                                                        | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生理學(二)                           | Physiology(II)                                                       | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生理學實驗                            | Physiology Laboratory                                                | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※臨床醫學(一)                         | Introduction to Clinical Medicine (I)                                | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※公共衛生學                           | Introduction to Public Health                                        | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※物理治療管理學                         | Physical Therapy Organization and Administration                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※生物力學                            | Biomechanics                                                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※電療學                             | Electrotherapy                                                       | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※電療學實習                           | Practicum in Electrotherapy                                          | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※物理治療評估學                         | Assessment of Physical Therapy                                       | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※物理治療評估學實習                       | Practicum in Assessment of Physical Therapy                          | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 專題研究(二)                          | Independent Study( II)                                               | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 兒童發展                             | The Development of Children                                          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 兒童發展評估                           | Evaluation of Child Development                                      | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 老人健康照護及物理治療                      | Health Care and Physical Therapy for Community-Dwelling Older Adults | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 運動指導與設計                          | Exercise Guide and Design                                            | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 基本運動學                            | Basic Principles of Exercise Prescription                            | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 競技運動按摩                           | Sports Performance Massage                                           | 選修<br>Elective             | 1                               | 1                                                  | 0                                                  |               |
| 運動生理學                            | Exercise Physiology                                                  | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                      |                            | 27                              | 12                                                 | 15                                                 |               |

第 三 學 年  
3rd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                               | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|--------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 病理學                              | Pathology                                                                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| ※神經科物理治療學                        | Neurological Physical Therapy                                                  | 必修<br>Required             | 3                               | 1                                                  | 2                                                  |               |
| ※神經科物理治療學實習                      | Practicum in Neurological Physical Therapy                                     | 必修<br>Required             | 2                               | 1                                                  | 1                                                  |               |
| ※骨科物理治療學                         | Orthopedic Physical Therapy                                                    | 必修<br>Required             | 3                               | 2                                                  | 1                                                  |               |
| ※骨科物理治療學實習                       | Practicum in Orthopedic Physical Therapy                                       | 必修<br>Required             | 2                               | 1                                                  | 1                                                  |               |
| ※小兒物理治療學                         | Pediatric Physical Therapy                                                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※小兒物理治療學實習                       | Practicum in Pediatric Physical Therapy                                        | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※操作治療學實習                         | Practicum in Manual Therapy                                                    | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※操作治療學                           | Manual Therapy                                                                 | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※臨床醫學(二)                         | Introduction to Clinical Medicine (II)                                         | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| ※心肺物理治療學                         | Cardiopulmonary Physical Therapy                                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| ※心肺物理治療學實習                       | Practicum in Cardiopulmonary Physical Therapy                                  | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| ※復健醫學                            | Rehabilitation Medicine                                                        | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※義肢及科技輔具學                        | Orthotics, Prosthetics and Assistive Technology in Rehabilitation              | 必修<br>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<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※物理治療臨床見習(二)                     | Clinical Observation in Physical Therapy(II)                                   | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 醫學影像概論                           | Introduction to Medical Image                                                  | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 專題研究(三)                          | Independent Study(III)                                                         | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 競技運動傷害處理與貼紮                      | Sports Injuries Management and Taping                                          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 復健聯盟之創業與行銷                       | Entrepreneurship and Marketing Science of Rehabilitation Alliance              | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 競技運動傷害評估與賦能                      | Sports Injury Assessment and Empower                                           | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 實證物理治療學                          | Evidence-Based Physical Therapy                                                | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 社區物理治療                           | Community-Based Physical Therapy                                               | 選修<br>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<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 動作控制與學習                          | Motor Control and Learning                                                     | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 長照復能實務及案例討論                      | Reablement of Long-Term Care                                                   | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                                |                            | 26                              | 14                                                 | 12                                                 |               |

## 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 科目英文名稱<br>Course Name in English             | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|------------------|
| 物理治療特論                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Special Topic in Physical Therapy            | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                  |
| 物理治療臨床實習(一)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (I)   | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 物理治療臨床實習(二)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (II)  | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 物理治療臨床實習(三)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (III) | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 物理治療臨床實習(四)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (IV)  | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 物理治療臨床實習(五)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (V)   | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 物理治療臨床實習(六)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clinical Practicum in Physical Therapy (VI)  | 必修<br>Required             | 4                               | (4)                                                | (4)                                                | 第 1、2 學期各選 12 學分 |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            | 25                              | 12                                                 | 13                                                 |                  |
| <p style="text-align: center;">最低畢業學分數 100 學分，必修 92 學分，系上選修 8 學分</p> <p style="text-align: center;">Minimum graduation credits: 100 credits, compulsory 92 credits, elective 8 credits offered by this department</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            |                                 |                                                    |                                                    |                  |
| 說明 Instructions：                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            |                                 |                                                    |                                                    |                  |
| <p>一、應修系上全部必修科目學分數及系上開設選修科目 8 學分。</p> <p>二、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>三、雙主修學生需修畢原主修學系應修科目與學分，並符合本系實習資格，始安排臨床實習課程。</p> <p>1. Students pursuing a double major must complete all required core courses of the additional major, as well as 8 elective credits offered by faculty members of this department.</p> <p>2. 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> <p>3. Double major students must complete all required courses and credits of their original major and meet this department's internship eligibility requirements before clinical internship courses can be arranged.</p> |                                              |                            |                                 |                                                    |                                                    |                  |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

| 第一學年<br>1st Academic Year      |                                                                                                                    |                            |                                 |                                                    |                                                    |               |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                                                                                   | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 解剖學                            | Human Anatomy                                                                                                      | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 普通生物學                          | General Biology                                                                                                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通心理學                          | General Psychology                                                                                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 社會學與職能治療                       | Sociology and Occupational Therapy                                                                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 解剖學實驗                          | Human Anatomy Laboratory                                                                                           | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 職能治療導論                         | Introduction to Occupational Therapy                                                                               | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 職能治療理論基礎                       | Basic Theory of Occupational Therapy                                                                               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 基礎統計與研究方法                      | Basic Statistics and Research Methods                                                                              | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 職能治療活動學(一)                     | Therapeutic Activities in Occupational Therapy (I)                                                                 | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 職能治療活動學實習(一)                   | Practicum in Therapeutic Activities in Occupational Therapy (I)                                                    | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 團體動力學                          | Group Dynamics                                                                                                     | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 團體動力學實習                        | Practicum in Group Dynamics                                                                                        | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 解剖與人體動作                        | Anatomy and Human Movement: Structure and Function                                                                 | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 職能治療專題研究(一)                    | Independent Study in Occupational Therapy (I)                                                                      | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 解剖與人體動作實習                      | Practicum in Anatomy and Human Movement: Structure and Function                                                    | 必修<br>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<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 早期療育概論                         | Introduction to Early Intervention                                                                                 | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 身心障礙概論                         | Introduction to Disability                                                                                         | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 臨床溝通模擬與實作                      | Clinical Communication Skill Simulation and Practice                                                               | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 輔具評估軟硬兼備：從輔具認識到評估實作            | Assistive Technology Needs Assessment: Knowledge of assistive devices and Assistive Technology Assessment practice | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

### 第一學年

1st Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                     | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 輔具設計與實作                          | Designing and Practicing Skills of Assistive Devices                 | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| AI 在復健醫療之應用                      | Applications of Artificial Intelligence in Rehabilitation Healthcare | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                      |                            | 23                              | 11                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

| 第 二 學 年<br>2nd Academic Year   |                                                                  |                                 |                                 |                                                    |                                                    |               |
|--------------------------------|------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                                 | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 生理學                            | Physiology                                                       | 必修<br>Required                  | 4                               | 4                                                  | 0                                                  |               |
| 神經解剖學                          | Neuroanatomy                                                     | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 人類發展學                          | Human Development                                                | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 精神醫學                           | Psychiatry                                                       | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生理學實驗                          | Physiology Laboratory                                            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 肌動學                            | Kinesiology                                                      | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 肌動學實習                          | Practicum in Kinesiology                                         | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 職能治療活動學(二)                     | Therapeutic Activities in Occupational Therapy (II)              | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 職能治療活動學實習(二)                   | Practicum in Therapeutic Activities in Occupational Therapy (II) | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 職能治療評估學實習                      | Practicum in Assessments in Occupational Therapy                 | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 臨床醫學(一)                        | Introduction to Clinical Medicine (I)                            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 復健醫學                           | Rehabilitation Medicine                                          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 職能治療倫理與規範                      | Occupational Therapy Ethics and Regulations                      | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 職能治療管理學                        | Occupational Therapy Organization and Administration             | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 職能治療評估學                        | Assessments in Occupational Therapy                              | 必修<br>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<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 社區及老人醫學(一)                     | Community and Geriatric Medicine (I)                             | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 兒童職能治療 (一)                     | Pediatric Occupational Therapy(I)                                | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 兒童職能治療實習 (一)                   | Practicum in Pediatric Occupational Therapy(I)                   | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 感覺統合                           | Sensory Integration                                              | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

第 二 學 年

2nd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                     | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 感覺統合概論                           | Introduction to Sensory Integration                                  | 選修<br>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<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 人體動作分析概論                         | Introduction to Human Motion Analysis                                | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 職能治療專題研究(二)                      | Independent Study in Occupational Therapy (II)                       | 選修<br>Elective                  | 1                               | 1                                                  | 0                                                  |               |
| 兒童青少年心理健康與親職教養支持                 | Child and Adolescent Mental Health and Parenting Support             | 選修<br>Elective                  | 1                               | 1                                                  | 0                                                  |               |
| 早療專業團隊合作                         | Team Collaboration in Early Intervention                             | 選修<br>Elective                  | 3                               | 0                                                  | 3                                                  |               |
| 職能治療的敘事觀點                        | Narrative Perspectives in Occupational Therapy                       | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 初階統合分析於醫療領域之應用                   | Introduction to Meta-Analysis in Healthcare Applications             | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 社會情緒學習與人際社交實務                    | Social Emotional Learning and Social Skills Practice                 | 選修<br>Elective                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                      |                                 | 27                              | 15                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

| 第 三 學 年<br>3rd Academic Year   |                                                                |                                 |                                 |                                                    |                                                    |               |
|--------------------------------|----------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 臨床醫學(二)                        | Introduction to Clinical Medicine (II)                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 心理職能治療                         | Occupational Therapy for Mental health                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 職能治療技術學                        | Therapeutic Techniques in Occupational Therapy                 | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 職能治療技術學實習                      | Practicum in Therapeutic Techniques in Occupational Therapy    | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 社區職能治療學                        | Community-based Occupational Therapy                           | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 社區職能治療學實習                      | Practicum in Community-based Occupational Therapy              | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 社區及老人醫學(二)                     | Community and Geriatric Medicine(II)                           | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 心理職能治療實習                       | Practicum in Occupational Therapy for Mental health            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 兒童職能治療(二)                      | Pediatric Occupational Therapy (II)                            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 兒童職能治療實習(二)                    | Practicum in Pediatric Occupational Therapy (II)               | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 生理職能治療                         | Occupational Therapy for Physical Conditions                   | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 生理職能治療實習(一)                    | Practicum in Occupational Therapy for Physical Conditions (I)  | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 日常生活功能與輔助科技                    | Assistive Technology and Activity of daily living              | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 副木裝具義肢學實習                      | Practicum in Orthotics and Prosthetics                         | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 副木裝具義肢學                        | Orthotics and Prosthetics                                      | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 職業復健                           | Vocational Rehabilitation                                      | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 職業復健實習                         | Practicum in Vocational Rehabilitation                         | 必修<br>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<br>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<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 生理職能治療實習(二)                    | Practicum in Occupational Therapy for Physical Conditions (II) | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

第 三 學 年

3rd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 職能治療專題研究(三)                      | Independent Study in Occupational Therapy(III) | 選修<br>Elective                  | 1                               | 1                                                  | 0                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                |                                 | 23                              | 14                                                 | 9                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                        | 科目英文名稱<br>Course Name in English                                       | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 職能治療專題討論                                                                                                              | Seminar in Occupational Therapy                                        | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 進階臨床實習：兒童領域(一)                                                                                                        | Clinical Practice of Occupational Therapy for Pediatrics (I)           | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 進階臨床實習：兒童領域(二)                                                                                                        | Clinical Practice of Occupational Therapy for Pediatrics (II)          | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 進階臨床實習：心理領域(一)                                                                                                        | Clinical Practicum in Occupational Therapy for Mental Health (I)       | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 進階臨床實習：心理領域(二)                                                                                                        | Clinical Practicum in Occupational Therapy for Mental Health (II)      | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 進階臨床實習：生理領域(一)                                                                                                        | Clinical Practice of Occupational Therapy for Physical Conditions (I)  | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 進階臨床實習：生理領域(二)                                                                                                        | Clinical Practice of Occupational Therapy for Physical Conditions (II) | 必修<br>Required                  | 4                               | 0                                                  | 0                                                  |               |
| 社區職能治療臨床實習                                                                                                            | Clinical Practicum in Occupational Therapy for Community               | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 職能治療特論                                                                                                                | Special Topics in Occupational Therapy                                 | 必選                              | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                      |                                                                        |                                 | 25                              | 1                                                  | 0                                                  |               |
| 最低畢業學分數 107 學分，必修 99 學分，選修 8 學分<br>Minimum graduation credits: 107 credits, compulsory 99 credits, elective 8 credits |                                                                        |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                      |                                                                        |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院職能治療學系

Department of Occupational Therapy

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| <p>一、至少選修 8 學分選修課程，始能畢業。選修課程涵蓋本系開設之選修課程或本校(含本系)所開設之跨域課程(微學程、專業學程、輔系、雙主修、跨校學位或學分選修)，畢業前由本系認定之。</p> <p>二、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」。</p> <p>三、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>1. Students must complete at least 8 elective credits to be eligible for graduation. Elective courses may include those offered by the department or interdisciplinary courses offered by the university (including microprograms, professional programs, minors, double majors, intercollegiate degrees, or credit-based electives). All courses must be approved by the department prior to graduation.</p> <p>2. 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> <p>3. 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 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)).</p> |                                  |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院語言治療與聽力學系語言治療組

Department of Speech Language Pathology and Audiology, Division of Speech Language Pathology

### 第一學年

1<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 英文科目名稱<br>Course Name in English        | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|-----------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 語言學概論                            | Introduction to Linguistics             | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 普通心理學                            | General Psychology                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 溝通障礙學導論                          | Introduction to Communication Disorders | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 基礎神經解剖學                          | Neurological Anatomy                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 發展心理學                            | Developmental Psychology                | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽力學導論                            | Introduction to Audiology               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 語音學                              | Phonetics                               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 統計學                              | Statistics                              | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽語神經解剖學                          | Speech and Hearing Anatomy              | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                         |                            | 19                              | 9                                                  | 10                                                 |               |

### 第二學年

2<sup>nd</sup> Academic Year

| 科目名稱<br>Course Name in Chinese | 英文科目名稱<br>Course Name in English    | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                                                             |
|--------------------------------|-------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------|
| 語言發展學                          | Language Development                | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                                                                           |
| 吞嚥障礙學                          | Swallowing Disorders                | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                                                                           |
| 構音與音韻異常                        | Articulation/Phonological Disorders | 必修<br>Required             | 3                               | 3                                                  | 0                                                  | 擋修聽語障礙實習<br>(一)Preventenro<br>llment in<br>“Practicum in<br>Communicative |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院語言治療與聽力學系語言治療組

Department of Speech Language Pathology and Audiology, Division of Speech Language Pathology

| 第 二 學 年<br>2 <sup>st</sup> Academic Year |                                                                                |                                 |                                 |                                                    |                                                    |                                                                              |
|------------------------------------------|--------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------|
| 科目名稱<br>Course Name in Chinese           | 英文科目名稱<br>Course Name in English                                               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                                                                |
|                                          |                                                                                |                                 |                                 |                                                    |                                                    | Disorders(I)''                                                               |
| 言語科學                                     | Speech Science                                                                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                              |
| 聽語測驗原理與應用                                | Theory and Application of Assessment on Speech, Language and Hearing Disorders | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                              |
| 語言治療專業與倫理                                | Professional Issues and Ethics in Speech-Language Pathology                    | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |                                                                              |
| 學前兒童語言障礙學                                | Language Disorders in Pre-schoolers                                            | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  | 擋修語言障礙實習<br>Preventenrollment in<br>"Practicum in Speech Language Pathology" |
| 語音聲學                                     | Acoustic Phonetics                                                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                              |
| 行為改變技術與應用                                | Behavior Modification and Application                                          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                              |
| 臨床聽力與障礙學                                 | Essentials of Clinical Audiology Hearing Disorders                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                              |
| 溝通障礙之諮商技巧                                | Counseling in Communication Disorders                                          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                              |
| 聽力學臨床實務論                                 | Practicum in Clinical Audiology                                                | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                                                              |
| 兒童語言障礙學實習                                | Practicum in Child Language Disorders                                          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                              |
| 成人認知溝通障礙學                                | Cognitive-Communication Disorders in Adults                                    | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                                                              |
| 必修學分合計 Required Credits Subtotal         |                                                                                |                                 | 29                              | 14                                                 | 15                                                 |                                                                              |

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Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院語言治療與聽力學系語言治療組

Department of Speech Language Pathology and Audiology, Division of Speech Language Pathology

| 第 三 學 年<br>3 <sup>rd</sup> Academic Year |                                                                                |                                 |                                 |                                                    |                                                    |                                                                                        |
|------------------------------------------|--------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------|
| 科目名稱<br>Course Name in Chinese           | 英文科目名稱<br>Course Name in English                                               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                                                                          |
| 成人失語症                                    | Aphasia                                                                        | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |                                                                                        |
| 語暢障礙學                                    | Fluency Disorders                                                              | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                                        |
| 學童語言障礙學                                  | Language Disorders in School-age Children                                      | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  | 擋修語言障礙實習<br>Prevent enrollment in<br>"Practicum in<br>Speech<br>Language<br>Pathology" |
| 聽語障礙實習(一)                                | Practicum in Communicative Disorders(I)                                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                                        |
| 輔助溝通系統                                   | Augmentative and Alternative Communication (AAC)                               | 必修<br>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<br>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<br>Required                  | 2                               | 2                                                  | 0                                                  |                                                                                        |
| 語言障礙實習                                   | Practicum in Speech Language Pathology                                         | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |                                                                                        |
| 聽能復健學                                    | Aural Rehabilitation                                                           | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                                        |
| 嗓音障礙學                                    | Voice Disorders                                                                | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                                        |
| 運動言語障礙學                                  | Motor Speech Disorders                                                         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                                        |
| 聽語障礙實習(二)                                | Practicum in Communicative Disorders(II)                                       | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                                                                        |
| 語言障礙實習總論                                 | General Principles of Clinical Practicum in Speech-Language Disorders          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                                                                        |
| 語言障礙個案研究                                 | Case Studies in Speech and Language Disorders                                  | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                                                                        |
| 必修學分合計 Required Credits Subtotal         |                                                                                |                                 | 28                              | 15                                                 | 13                                                 |                                                                                        |

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Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院語言治療與聽力學系語言治療組

Department of Speech Language Pathology and Audiology, Division of Speech Language Pathology

| 第 四 學 年<br>4th Academic Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                              |                                 |                                                    |                                                    |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 英文科目名稱<br>Course Name in English                    | 必/選修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 臨床語言障礙實習(一)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Clinical Practicum in Speech-Language Disorders(I)  | 必修<br>Required               | 9                               | (9)                                                | (9)                                                |               |
| 臨床語言障礙實習(二)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Clinical Practicum in Speech-Language Disorders(II) | 必修<br>Required               | 9                               | (9)                                                | (9)                                                |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                              | 18                              | 0                                                  | 0                                                  |               |
| 最低畢業學分數 104 學分，必修 94 學分，選修 10 學分<br>Minimum graduation credits: 104 credits, compulsory 94 credits, elective 10 credits                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |                              |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                              |                                 |                                                    |                                                    |               |
| <p>一、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>二、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。</p> <p>1. All required departmental courses from the first to the third year will bar students from taking the required clinical practicum in the fourth year.</p> <p>2. 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」.</p> |                                                     |                              |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

1<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English         | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 普通心理學                            | General Psychology                       | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 語言學概論                            | Introduction to Linguistics              | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 聽語科學導論                           | Introduction to Speech & Hearing Science | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 統計學                              | Statistics                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 溝通障礙學導論                          | Introduction to Communication Disorders  | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 發展心理學                            | Developmental Psychology                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽力學導論                            | Introduction to Audiology                | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聾人文化                             | Culture of the Deaf                      | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 聽語神經解剖學                          | Speech and Hearing Anatomy               | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 語言發展學                            | Language Development                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                          |                            | 21                              | 11                                                 | 10                                                 |               |

### 第二學年

2<sup>nd</sup> Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                                               | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------|--------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 聽力科學                           | Hearing Science                                                                | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 語音聲學                           | Acoustic Phonetics                                                             | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 耳鼻喉科學概論                        | Introduction to Otolaryngology                                                 | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 臨床聽力學                          | Essentials of Clinical Audiology                                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽力學臨床實務論                       | Practicum in Clinical Audiology                                                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽語測驗原理與應用                      | Theory and Application of Assessment on Speech, Language and Hearing Disorders | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |

| 第 二 學 年<br>2nd Academic Year     |                                           |                            |                                 |                                                    |                                                    |               |
|----------------------------------|-------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English          | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 聽覺障礙學(一)                         | Hearing Disorders (I)                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 兒童言語與語言障礙學                       | Speech and Language Disorders in Children | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 噪音與聽力維護                          | Noise Survey and Hearing Conservation     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 語音聽知覺學                           | Speech and Auditory Perception            | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 行為改變技術與應用                        | Behavior Modification and Application     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 兒童語言障礙初階實習                       | Practicum in Child Language Disorders     | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                           |                            | 24                              | 13                                                 | 11                                                 |               |

| 第 三 學 年<br>3rd Academic Year   |                                                                  |                            |                                 |                                                    |                                                    |               |
|--------------------------------|------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                                 | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 幼兒聽力學                          | Pediatric Audiology                                              | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 聽覺電生理學(一)                      | Auditory Electrophysiology (I)                                   | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽覺電生理學(二)                      | Auditory Electrophysiology(II)                                   | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 進階臨床聽力學                        | Advanced Clinical Audiology                                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽語障礙實習（一）                      | Practicum in Communicative Disorders (I)                         | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽覺輔具原理與實務學（一）                  | Principles and Practices in Amplification (I)                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 內耳前庭功能評量與復健                    | Assessment and Rehabilitation of Vestibular Function             | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽力學專業與倫理                       | Professional Issues and Ethics in Audiology                      | 必修<br>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<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 幼兒聽力學實務論                       | Clinical Application in Pediatric Audiology                      | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 人工耳蝸學                          | Cochlear Implant                                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 聽能復健學                          | Aural Rehabilitation                                             | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 聽語障礙實習(二)                      | Practicum in Communicative Disorders(II)                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽覺輔具原理與實務學(二)                  | Principles and Practices in Amplification (II)                   | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽覺障礙學實務論                       | Clinical Application in Hearing Disorders                        | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 聽力障礙實習總論                       | General Principles of Clinical Practicum in Hearing Disorders    | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |

| 第 三 學 年<br>3rd Academic Year     |                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 必修學分合計 Required Credits Subtotal |                                  |                                 | 31                              | 18                                                 | 13                                                 |               |

| 第 四 學 年<br>4th Academic Year                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                               | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 聽力學實習(一)                                                                                                                                                                                                                                                                                                                                                                                                                                     | Audiology Practice I             | 必修<br>Required                  | 9                               | (9)                                                | (9)                                                |               |
| 聽力學實習(二)                                                                                                                                                                                                                                                                                                                                                                                                                                     | Audiology Practice II            | 必修<br>Required                  | 9                               | (9)                                                | (9)                                                |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                                                                                                                                                                                             |                                  |                                 | 18                              | 9                                                  | 9                                                  |               |
| 最低畢業學分數 104 學分，必修 94 學分，選修 10 學分<br>Minimum graduation credits: 104 credits, compulsory 94 credits, elective 10 credits                                                                                                                                                                                                                                                                                                                      |                                  |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions :                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                 |                                 |                                                    |                                                    |               |
| 一、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。<br>二、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。<br>1. All required departmental courses from the first to the third year will block students from taking the required clinical practicum in the fourth year.<br>2. 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 ". |                                  |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

| 第一學年<br>1 <sup>st</sup> Academic Year |                                                 |                            |                                 |                                                    |                                                    |                                   |
|---------------------------------------|-------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------|
| 科目名稱<br>Course Name in Chinese        | 科目英文名稱<br>Course Name in English                | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                     |
| 普通生物學(一)                              | General Biology (I)                             | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |                                   |
| 普通化學                                  | General Chemistry                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                                   |
| 生物統計學                                 | Biostatistics                                   | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                                   |
| 書報討論(一)                               | Discussion in Literature (I)                    | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |                                   |
| 普通生物學(二)                              | General Biology (II)                            | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                                   |
| 有機化學                                  | Organic Chemistry                               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                                   |
| 電腦資訊與生醫科學                             | Computer Information for Biomedical Science     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                                   |
| 有機化學實驗                                | Organic Chemistry Laboratory                    | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                                   |
| 普通生物學實驗                               | General Biology Laboratory                      | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                                   |
| 書報討論(二)                               | Discussion in Literature (II)                   | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                                   |
| 生醫科學計算                                | Calculations in Biomedical Sciences             | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives |
| 生物醫學研究導論                              | Introduction to Research in Biomedical Sciences | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  | 專業選修<br>professional<br>electives |
| 必修學分合計 Required Credits Subtotal      |                                                 |                            | 18                              | 8                                                  | 10                                                 |                                   |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

### 第 二 學 年

2nd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                   | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                               |
|----------------------------------|----------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------|
| 細胞生物學                            | Cell Biology                                       | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |                                             |
| 生物化學                             | Biochemistry                                       | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                             |
| 生理學(一)                           | Physiology(I)                                      | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |                                             |
| 生物化學實驗                           | Biochemistry Laboratory                            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |                                             |
| 細胞生物學實驗                          | Cell Biology Laboratory                            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |                                             |
| 書報討論(三)                          | Discussion in Literature(III)                      | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |                                             |
| 遺傳學                              | Genetics                                           | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |                                             |
| 分子生物學                            | Molecular Biology                                  | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |                                             |
| 生醫生物化學                           | Biomedical Biochemistry                            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                             |
| 生理學(二)                           | Physiology(II)                                     | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |                                             |
| 分子生物學實驗                          | Molecular Biology Laboratory                       | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                             |
| 生理學實驗                            | Physiology Laboratory                              | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                             |
| 書報討論(四)                          | Discussion in Literature(IV)                       | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                             |
| 生物資訊學原理                          | Principles in Bioinformatics                       | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  | 專業選修<br>professional<br>electives           |
| 專題研究實驗(一)                        | Research on Special Topics-Laboratory Practice(I)  | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  | 專業實務選修<br>professional<br>practice elective |
| 生醫學生的職涯規劃                        | Career Planning for Biomedical Students            | 選修<br>Elective                  | 1                               | 1                                                  | 0                                                  | 專業選修<br>professional<br>electives           |
| 專題研究實驗(二)                        | Research on Special Topics-Laboratory Practice(II) | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  | 專業實務選修<br>professional<br>practice elective |
| 必修學分合計 Required Credits Subtotal |                                                    |                                 | 23                              | 10                                                 | 13                                                 |                                             |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

### 第三學年

3rd Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                    | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                               |
|--------------------------------|-----------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------|
| 微生物學及免疫學                       | Microbiology & Immunology                           | 必修<br>Required             | 4                               | 2                                                  | 2                                                  |                                             |
| 人類遺傳學                          | Human Genetics                                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                                             |
| 生物資訊學                          | Bioinformatics                                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                                             |
| 發育生物學                          | Developmental Biology                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |                                             |
| 微生物學及免疫學實驗                     | Microbiology & Immunology Laboratory                | 必修<br>Required             | 2                               | 1                                                  | 1                                                  |                                             |
| 文獻討論(一)                        | Seminar(I)                                          | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |                                             |
| 分子遺傳學                          | Molecular Genetics                                  | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                                             |
| 神經生物學                          | Neurobiology                                        | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |                                             |
| 生物技術學(一)                       | Biotechnology (I)                                   | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |                                             |
| 文獻討論(二)                        | Seminar(II)                                         | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |                                             |
| 刑事鑑識概論                         | Introduction to Forensic Science                    | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業選修<br>professional<br>electives           |
| 專題研究實驗(三)                      | Research on Special Topics-Laboratory Practice(III) | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業實務選修<br>professional<br>practice elective |
| 生技單元操作實驗(一)                    | Unit Operation Experiment in Biotechnology(I)       | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  | 專業實務選修<br>professional<br>practice elective |
| 酵素學                            | Enzymology                                          | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives           |
| 幹細胞醫學                          | Stem Cell Medicine                                  | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives           |
| 專題研究實驗(四)                      | Research on Special Topics-Laboratory Practice(IV)  | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業實務選修<br>professional<br>practice elective |
| 生技單元操作實驗(二)                    | Unit Operation Experiment in Biotechnology(II)      | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  | 專業實務選修<br>professional<br>practice elective |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

| 第 三 學 年<br>3rdAcademic Year      |                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 必修學分合計 Required Credits Subtotal |                                  |                                 | 22                              | 10                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

| 第 四 學 年<br>4th Academic Year                                                                                        |                                    |                                 |                                 |                                                    |                                                    |                                             |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------|
| 科目名稱<br>Course Name in Chinese                                                                                      | 科目英文名稱<br>Course Name in English   | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks                               |
| 生物醫學文獻討論(一)                                                                                                         | Seminar in Biomedical Sciences(I)  | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |                                             |
| 生物醫學文獻討論(二)                                                                                                         | Seminar in Biomedical Sciences(II) | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |                                             |
| 生物技術學(二)                                                                                                            | Biotechnology (II)                 | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  | 專業選修<br>professional<br>electives           |
| 生技實習(一)                                                                                                             | Practice in Biotechnology(I)       | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  | 專業實務選修<br>professional<br>practice elective |
| 生技實習(二)                                                                                                             | Practice in Biotechnology(II)      | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  | 專業實務選修<br>professional<br>practice elective |
| 老化分子機制                                                                                                              | Molecular Mechanism of Aging       | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives           |
| 生物科技與生活                                                                                                             | Biotechnology and Life             | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives           |
| 分子與生命                                                                                                               | Molecules and Life                 | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  | 專業選修<br>professional<br>electives           |
| 必修學分合計 Required Credits Subtotal                                                                                    |                                    |                                 | 2                               | 1                                                  | 1                                                  |                                             |
| 最低畢業學分數 71 學分，必修 63 學分，選修 8 學分<br>Minimum graduation credits: 71 credits, compulsory 63 credits, elective 8 credits |                                    |                                 |                                 |                                                    |                                                    |                                             |
| 說明 Instructions：                                                                                                    |                                    |                                 |                                 |                                                    |                                                    |                                             |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院生物醫學科學學系

Department of Biomedical Sciences

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| <p>一、原主修學系與本系專業必修科目名稱內容相同者，須提供修課內容由本系系主任決定是否同意免修；免修通過後，應由本系指定其另修科目補足學分。</p> <p>二、至少選修 6 學分專業選修課程，始得畢業。</p> <p>三、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)」、「生技單元操作實驗(一)(二)」及「生技實習(一)(二)」，本學分不列入本系專業選修 6 學分，始得畢業。</p> <p>四、原修習普通生物學及實驗學分數低於本系學分，得以專業選修補足。</p> <p>1. If the name and content of the required courses of the original major department are the same as those of this department, the student must provide the course content and the department head will decide whether to approve the exemption. If the exemption is approved, the department will designate another course to make up the credits.</p> <p>2. At least 6 credits of professional elective courses must be taken for graduation.</p> <p>3. 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 6-credit calculation.</p> <p>4. If the original credits of general biology and experiments are lower than the credits of this department, they can be supplemented by elective majors.</p> |                                  |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院視光學系

Department of Optometry

第一學年

1<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 英文科目名稱<br>Course Name in English                   | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 普通生物學(一)                         | General Biology (I)                                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生理學                              | Physiology                                         | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 幾何光學                             | Geometric Optics                                   | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 幾何光學實驗                           | Geometric Optics Laboratory                        | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 普通生物學(二)                         | General Biology (II)                               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※視光學(一)                          | Optometry(I)                                       | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※眼球解剖生理(一)                       | Ocular Anatomy and Physiology(I)                   | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| ※視光學實驗(一)                        | Optometric Laboratory (I)                          | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| ※生理光學(一)                         | Physiological Optics ( I )                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 視覺科學導論(一)                        | Introduction to Visual Science(I)                  | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 視光學概論                            | Introduction to Optometry                          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 視光產業應用微學分                        | Optometry industry applications M.C. Credit Course | 選修<br>Elective             | 2                               | (2)                                                | (2)                                                |               |
| 視覺科學導論(二)                        | Introduction to Visual Science(II)                 | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 驗光法規與倫理                          | Optometry General Regulations and Ethics           | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                    |                            | 16                              | 7                                                  | 9                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院視光學系

Department of Optometry

第 二 學 年

2<sup>st</sup> Academic Year

| 科目名稱<br>Course Name in Chinese  | 英文科目名稱<br>Course Name in English     | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|---------------------------------|--------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| ※眼球解剖生理(二)                      | Ocular Anatomy and Physiology (II)   | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| ※視光學實驗(二)                       | Optometric Laboratory (II)           | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| ※視光學(二)                         | Optometry(II)                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 視覺知覺學                           | Visual Perception                    | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生理光學(二)                         | Physiological Optics ( II )          | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生物化學(一)                         | Biochemistry(I)                      | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| ※眼鏡光學                           | Ophthalmic Optics                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| ※視光學實驗(三)                       | Optometric Laboratory (III)          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| ※視光學(三)                         | Optometry(III)                       | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 生物化學(二)                         | Biochemistry(II)                     | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(一)                         | Independent Study (I)                | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 色彩視覺與立體視覺                       | Color and Stereopsis Vision          | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(二)                         | Independent Study (II)               | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 視覺健康食品生技                        | Biotechnology of Vision Health Foods | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計Required Credits Subtotal |                                      |                                 | 18                              | 11                                                 | 7                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院視光學系

Department of Optometry

第 三 學 年

3<sup>rd</sup> Academic Year

| 科目名稱<br>Course Name in Chinese   | 英文科目名稱<br>Course Name in English                | 必修<br>Required | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|-------------------------------------------------|----------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| ※隱形眼鏡學                           | Contact Lenses                                  | 必修<br>Required | 4                               | 2                                                  | 2                                                  |               |
| ※隱形眼鏡學實驗                         | Contact Lens Laboratory                         | 必修<br>Required | 2                               | 1                                                  | 1                                                  |               |
| ※配鏡學                             | Ophthalmic Lens Dispensing                      | 必修<br>Required | 2                               | 2                                                  | 0                                                  |               |
| ※配鏡學實驗                           | Ophthalmic Lens Dispensing Laboratory           | 必修<br>Required | 2                               | 2                                                  | 0                                                  |               |
| ※臨床視光學實驗                         | Clinical Optometric Laboratory                  | 必修<br>Required | 1                               | 1                                                  | 0                                                  |               |
| ※雙眼視覺學                           | Binocular Vision                                | 必修<br>Required | 2                               | 0                                                  | 2                                                  |               |
| 眼科學                              | Ophthalmology                                   | 必修<br>Required | 2                               | 0                                                  | 2                                                  |               |
| ※低視力學                            | Low Vision                                      | 必修<br>Required | 2                               | 0                                                  | 2                                                  |               |
| 專題研究（三）                          | Independent Study (III)                         | 選修<br>Elective | 2                               | 2                                                  | 0                                                  |               |
| 幼兒視光                             | Child Optometry                                 | 選修<br>Elective | 2                               | 2                                                  | 0                                                  |               |
| 視光檢查技巧與分析                        | Optometric Examination Skill and Interpretation | 選修<br>Elective | 1                               | 1                                                  | 0                                                  |               |
| 視覺研究方法與設計                        | Methodology and Design in Vision Science        | 選修<br>Elective | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(四)                          | Independent Study (IV)                          | 選修<br>Elective | 2                               | 0                                                  | 2                                                  |               |
| 隱形眼鏡個案專題討論                       | Seminar in Contact Lens Case Conference/Report  | 選修<br>Elective | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                 |                | 17                              | 8                                                  | 9                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院視光學系

Department of Optometry

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                  | 英文科目名稱<br>Course Name in English     | 必/選修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 臨床視光學                                                                                                           | Clinical Optometry                   | 必修<br>Required               | 2                               | (2)                                                | (2)                                                |               |
| 功能性視覺評估                                                                                                         | Functional Vision Assessment         | 必修<br>Required               | 2                               | (2)                                                | (2)                                                |               |
| 眼視光實習(一)                                                                                                        | Practicum in Optometry(I)            | 必修<br>Required               | 8                               | (8)                                                | (8)                                                |               |
| 眼視光實習(二)                                                                                                        | Practicum in Optometry(II)           | 必修<br>Required               | 8                               | (8)                                                | (8)                                                |               |
| 視覺訓練臨床基礎                                                                                                        | Basic Theories of Vision Training    | 選修<br>Elective               | 2                               | (2)                                                | (2)                                                |               |
| 眼科藥劑暨藥物治療學                                                                                                      | Ophthalmic Pharmacy and Pharmacology | 選修<br>Elective               | 2                               | (2)                                                | (2)                                                |               |
| 視光產業儀器學                                                                                                         | Optical Industry Instrumentation     | 選修<br>Elective               | 2                               | (2)                                                | (2)                                                |               |
| 視光產業與行銷                                                                                                         | Industry and Marketing in Optometry  | 選修<br>Elective               | 2                               | (2)                                                | (2)                                                |               |
| 最低畢業學分數81學分，必修71學分，選修10學分<br>Minimum graduation credits: 81 credits, compulsory 71 credits, elective 10 credits |                                      |                              |                                 |                                                    |                                                    |               |
| 說明Instructions：                                                                                                 |                                      |                              |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

醫學科技學院視光學系

Department of Optometry

### 第四學年

### 4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 英文科目名稱<br>Course Name in English | 必/選修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| <p>一、雙主修畢業學分數81學分(必修71學分)，至少選修10學分專業選修課程，始可取得雙主修畢業資格。</p> <p>二、普通生物學(一)、普通生物學(二)、生理學、生物化學(一)、生物化學(二)，若所選課程為其原學系開設(非通識課程)，符合課程名稱及學分數相同時，可免修本系雙主修系課程。</p> <p>三、學生若需至校外選修相關課程，須為本校未開課之科目且經本系該科目授課教師同意方可認列為雙主修科目。</p> <p>四、依前項規定免修後，應由本系指定其另修專業(門)必修或選修科目學分補足之。</p> <p>五、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>六、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>七、本科目學分表均依照本校視光學系科目學分表制訂，如有變更依照視光學系科目學表為主。</p> <p>1. Students pursuing a double major are required to complete a minimum of 81 credits, including 71 required credits. In addition, at least 10 credits of professional elective courses must be completed in order to qualify for graduation with a double major.</p> <p>2. For the following courses: General Biology (I)、General Biology (II)、Physiology、Biochemistry (I)、Biochemistry (II)，If these courses are offered by the student's original department (excluding general education courses), and both the course title and credit value are identical, they may be exempted from the corresponding required courses of this department.</p> <p>3. If students wish to take relevant courses at external institutions, such courses must not be offered by the University. Prior approval must be obtained from the instructor responsible for the corresponding course in this department for the credits to be recognized toward the double major.</p> <p>4. In cases where course exemptions are granted under the preceding provisions, students are required to complete alternative designated required or elective professional courses assigned by the department to fulfill the credit requirements.</p> <p>5. Courses marked with ※ are prerequisite-restricted. Students who receive a semester grade below 60 in such courses will not be permitted to enroll in Optometry Internship (I) and Optometry Internship (II).</p> <p>6. Courses marked with ※ are designated as prerequisites. Failure in any course marked with ※ will result in the suspension of eligibility to enroll in "Optometry Internship (I)" and "Optometry Internship (II)."</p> <p>7. This curriculum and credit structure are established in accordance with the official course and credit framework of the Department of Optometry of the University. Any amendments shall be governed by the most current version of the department's curriculum.</p> |                                  |                              |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

| 第一學年<br>1st Academic Year        |                                                    |                            |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                   | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 解剖學                              | Human Anatomy                                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通物理學                            | General Physics                                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 微積分                              | Calculus                                           | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫學影像原理                           | Principles of Medical Imaging                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫用英文                             | English for Medical Professionals                  | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通生物學(一)                         | General Biology (I)                                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生理學                              | Physiology                                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 應用數學(一)                          | Applied Mathematics(I)                             | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 醫學影像傳輸系統                         | Pictures Archiving and Communication Systems       | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 普通生物學(二)                         | General Biology (II)                               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 普通物理學實驗                          | General Physics Laboratory                         | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| AI 於精準醫療應用實作                     | Practical Applications of AI in Precision Medicine | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                    |                            | 22                              | 12                                                 | 10                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

| 第 二 學 年<br>2nd Academic Year     |                                             |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|---------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English            | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 放射物理學                            | The Physics of Radiology                    | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 輻射安全學                            | Radiation Protection                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 超音波技術學                           | Ultrasonography Technology                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 放射生物學                            | Radiobiology                                | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 切面解剖學                            | Sectional Anatomy                           | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生物統計應用軟體實務                       | Biostatistics Application Software Practice | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床見習                             | Clinical Observation                        | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 放射化學                             | Radiochemistry                              | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫學影像處理                           | Medical Image Processing                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 放射腫瘤學                            | Radiation Oncology                          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 放射藥品學                            | Radiopharmaceuticals                        | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫學影像病理學                          | Medical Imaging Pathology                   | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫學影像處理實驗                         | Medical Image Processing Laboratory         | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 超音波技術學實驗                         | Ultrasonography Technology Laboratory       | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                             |                                 | 27                              | 13                                                 | 14                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

| 第 三 學 年<br>3rd Academic Year     |                                                         |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|---------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                        | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 醫學物理                             | Medical Physics                                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 核子醫學原理及儀器學                       | Principle and Instrumentation of Nuclear Medicine       | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 磁共振原理及儀器學                        | Principle of MRI and Instruments                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 放射治療儀器學                          | Instrumentation of Radiation Therapy                    | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 電腦斷層掃描原理與技術學                     | Principle and Technology of Computed Tomography         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 放射診斷攝影原理與設備學                     | Principle and Instrumentation of Radiography            | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 輻射度量                             | Radiation Measurement                                   | 必修<br>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<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 書報討論                             | Discussion in Literature                                | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 核子醫學技術學                          | Nuclear Medicine Technology                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 放射治療技術學                          | Radiation Therapy Technology                            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 磁共振技術學                           | Technology of Magnetic Resonance Imaging                | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 放射線特殊攝影技術學                       | Special Radiographic Technology                         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 放射診斷攝影技術學                        | Technology of Radiography                               | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫學影像臨床英文                         | Clinical English of Medical Imaging                     | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 放射診斷攝影技術學實驗                      | Technology of Radiography Laboratory                    | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                         |                                 | 28                              | 14                                                 | 14                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th 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

| 第 四 學 年<br>4th Academic Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                |                                 |                                 |                                                    |                                                    |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 科目英文名稱<br>Course Name in English                                                                                                                                               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 醫學影像診斷技術學實習(含一般X光、牙科攝影、C T、M R 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<br>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<br>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<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 醫事放射倫理                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Medical Radiologist Ethics                                                                                                                                                     | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                |                                 | 14                              | 13                                                 | 1                                                  |               |
| 最低畢業學分數 91 學分，必修 91 學分<br>Minimum graduation credits: 91 credits, compulsory 91 credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                |                                 |                                 |                                                    |                                                    |               |
| <p>一、 達本系實習資格，即必要先修課程(以※標註)及格，且一至三年級前五學期末通過之必修科目少於(不含)六學分者，始安排第四學年臨床實習(醫學影像診斷技術學實習、放射治療技術學實習、核子醫學技術學實習)。</p> <p>二、 本科目學分表均依照本校醫學影像暨放射科學系科目學分表制訂，如有變更，依照醫學影像暨放射科學系科目學分表為主。</p> <p>1. To qualify for clinical internships, students must have passed all prerequisite courses (indicated with ) and have fewer than six credits of failed required courses during the first five semesters of the first to third academic years. Only students who meet these criteria will be scheduled for clinical internships in the fourth academic year, including Practicum in Diagnosis Medical Imaging Techniques, Practicum in Radiation Therapy Techniques, and Practicum in Nuclear Medicine Techniques.</p> <p>2. The curriculum credit structure for this program is based on the Course and Credit Table of the Department of Medical Imaging and Radiological Sciences. In the event of any changes, the most recent version of the Department's Course and Credit Table shall prevail.</p> |                                                                                                                                                                                |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

| 第一學年<br>1st Academic Year        |                                                            |                            |                                 |                                                    |                                                    |               |
|----------------------------------|------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                           | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 營養暨食品科技概論                        | Introduction to Nutrition and Food Science                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通化學暨實驗                          | Chemistry General Chemistry & Experiments of General       | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 有機化學暨實驗                          | Introduction to Organic Chemistry and Lab                  | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通生物學                            | General Biology                                            | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 食物學原理                            | Principles of Food                                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 分析化學暨實驗                          | Analytical Chemistry & Experiments of Analytical Chemistry | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 普通生物學實驗                          | General Biology Laboratory                                 | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 食物學原理實驗                          | Principles of Food Laboratory                              | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 解剖學                              | Human Anatomy                                              | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 營養職涯                             | Careers for Nutritionists and Dieticians                   | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 運動營養學概論                          | Introduction to Sports Nutrition                           | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 蔬果營養與健康                          | Health Concepts of Vegetables and Fruits                   | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 營養推廣實務                           | Nutrition Promotion Practices                              | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                            |                            | 14                              | 6                                                  | 8                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

第 二 學 年

2nd Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                        | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------|---------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 營養學                            | Nutrition                                               | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 生理學                            | Physiology                                              | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生物統計學                          | Biostatistics                                           | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生物化學(一)                        | Biochemistry(I)                                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 營養學實驗                          | Nutrition Laboratory                                    | 必修<br>Required                  | 2                               | 1                                                  | 1                                                  |               |
| 生物化學實驗                         | Biochemistry Laboratory                                 | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 生理學實驗                          | Physiology Laboratory                                   | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 食品微生物學暨實驗                      | Food Microbiology & Food Microbiology Laboratory        | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 食品化學                           | Food Chemistry                                          | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 生物化學(二)                        | Biochemistry(II)                                        | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品化學實驗                         | Food Chemistry Laboratory                               | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 膳食設計管理暨實驗                      | Meal Planning and Management Laboratory                 | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 文獻導讀                           | Introduction to Scientific Literature Reading           | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 營養教育                           | Nutritional Education                                   | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 點心製作                           | Dessert Preparation                                     | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 脂肪與疾病                          | Lipid and Diseases                                      | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 嬰幼兒期營養與膳食                      | Nutrition and Meal Design in Infant and Early Childhood | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床資料分析入門                       | Introduction to Clinical Data Analysis                  | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 寵物營養與管理                        | Pet Nutrition and Management                            | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 營養實習-基礎                        | Practicum in Dietetic - Basic                           | 選修<br>Elective                  | 1                               | 1                                                  | 0                                                  | 實習課程          |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

| 第 二 學 年<br>2nd Academic Year     |                                                 |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 病理學                              | Pathology                                       | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 運動營養學                            | Sport Nutrition                                 | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 慢性病與營養                           | Chronic Diseases and Nutrition                  | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 營養午餐設計與規劃                        | Design and Management of Nutrition School Lunch | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 醣類代謝                             | Carbohydrate Metabolism                         | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 飲食資料分析與應用                        | Analysis of Food Information                    | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 營養與體重管理                          | Nutrition for Weight Management                 | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 精準營養學                            | Precision Nutrition                             | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 低醣飲食與生酮飲食                        | Low – Carbohydrate Diet and Ketogenic Diet      | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究（一）                          | Independent Study (I)                           | 選修<br>Elective                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                 |                                 | 23                              | 11                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

| 第 三 學 年<br>3rdAcademic Year    |                                                              |                                 |                                 |                                                    |                                                    |               |
|--------------------------------|--------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                             | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 膳食療養學                          | Nutrition and Diet Therapy                                   | 必修<br>Required                  | 6                               | 3                                                  | 3                                                  |               |
| 食品衛生與安全                        | Food Sanitation and Safety                                   | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 社區營養學                          | Nutrition in the Community                                   | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 團體膳食製備與管理                      | Quantity Food Production, Planning and Management            | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 膳食療養學實驗                        | Therapeutic Nutrition Laboratory                             | 必修<br>Required                  | 2                               | 1                                                  | 1                                                  |               |
| 食品衛生與安全實驗                      | Food Sanitation and Safety Laboratory                        | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 團體膳食製備與管理實驗                    | Quantity Food Production, Planning and Management Laboratory | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 生命期營養                          | Nutrition through the Life Cycle                             | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 臨床營養                           | Clinical Nutrition                                           | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 營養評估                           | Nutrition Assessment                                         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 重症營養                           | Nutrition in Critical Care                                   | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 營養化學                           | Nutritional Chemistry                                        | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 營養與癌症                          | Nutrition & Cancer                                           | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 糖尿病概論                          | Introduction to Diabetes Mellitus                            | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 臨床營養實務                         | Practice Training for Hospital Dietitian-basic               | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 老人營養概論                         | Introduction to Elderly Nutrition                            | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 管灌營養                           | Enteral Nutrition                                            | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 靜脈營養                           | Parenteral Nutrition                                         | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 長期照護營養                         | Nutrition Therapy for Long Term Care                         | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 臨床試驗與報告                        | Clinical Trials and Reports                                  | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

| 第 三 學 年<br>3rd Academic Year     |                                                                                   |                            |                                 |                                                    |                                                    |               |
|----------------------------------|-----------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                                                  | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 免疫學概論                            | Introduction to Immunology                                                        | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 臨床案例分析                           | Clinical Case Study                                                               | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 營養專業人員臨床技能演<br>練與評量              | OSCE ( Objective Structured Clinical<br>Examination ) for Nutrition Professionals | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 專題研究 (二)                         | Independent Study (II)                                                            | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                                                   |                            | 24                              | 13                                                 | 11                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                        | 科目英文名稱<br>Course Name in English                       | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 食品加工                                                                                                                  | Food Processing                                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 專題討論(一)                                                                                                               | Seminar(I)                                             | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 食品加工實驗                                                                                                                | Food Processing Laboratory                             | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 食品分析暨實驗                                                                                                               | Food Analysis & Food Analysis Laboratory               | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 專題討論(二)                                                                                                               | Seminar (II)                                           | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 營養實習-臨床營養                                                                                                             | Practicum in Dietetic - Clinical Nutrition             | 選修<br>Elective                  | 6                               | 6                                                  | 0                                                  | 實習課程          |
| 營養與免疫                                                                                                                 | Nutrition and Immunity                                 | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 營養生化                                                                                                                  | Nutritional Biochemistry                               | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 食品安全管制系統                                                                                                              | Food Safety Control System                             | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 肌力與體能支持之運動<br>營養實務                                                                                                    | Applied Sports Nutrition for Strength and Conditioning | 選修<br>Elective                  | 2                               | 2                                                  | 0                                                  |               |
| 食物與藥物的相互作用                                                                                                            | Interaction of Food and Drug                           | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 乳品學                                                                                                                   | Dairy                                                  | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 食品工廠管理                                                                                                                | Food Factory Management                                | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 太空人營養                                                                                                                 | Astronaut Nutrition                                    | 選修<br>Elective                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究（三）                                                                                                               | Independent Study (III)                                | 選修<br>Elective                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                      |                                                        |                                 | 10                              | 5                                                  | 5                                                  |               |
| 最低畢業學分數 94 學分，必修 71 學分，選修 23 學分<br>Minimum graduation credits: 94 credits, compulsory 73 credits, elective 21 credits |                                                        |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                      |                                                        |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院營養學系

Department of Nutrition

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
|--------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|

臨床實習選填辦法：

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。

1、修畢二年級「文獻導讀」、「醣類代謝」、「專題研究(一)」或三年級「臨床試驗與報告」、「營養與癌症」、「專題研究(二)」之其中一門選修課程，方具實習資格。

2、修畢三年級「營養專業人員臨床技能演練與評量」、三年級「臨床案例分析」或「免疫學概論」之其中一門選修課程，方具實習資格。

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。

#### Clinical Internship Application Procedure:

Before applying for an internship, students must complete one elective in each of the following two categories:

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.

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.

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.

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院公共衛生學系

Department of Public Health

| 第一學年<br>1st Academic Year      |                                                  |                            |                                 |                                                    |                                                    |               |
|--------------------------------|--------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                 | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 公共衛生實習                         | Public Health Internship                         | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 公共衛生行政                         | Public Health Administration                     | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 公共衛生導論                         | Introduction to Public Health                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 傳染病防治                          | Illustrated and Management of Infectious Disease | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 行為科學                           | Behavioral Science                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 資料分析                           | Data Analysis                                    | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 管理學                            | Management                                       | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 健康促進                           | Health Promotion                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 研究方法與研究設計實驗(二)                 | Research Methods and Design Internship (II)      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫療保健制度                         | Medical Treatment Delivery System                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 健康管理概論                         | Introduction to Health Administration            | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 室內空氣品質                         | Indoor Air Quality                               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 環境化學                           | Environmental Chemistry                          | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 人口學與公共衛生                       | Demography and Public Health                     | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 環境衛生學(二)                       | Environmental Health(II)                         | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生物統計學(一)                       | Biostatistics(I)                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 流行病學(二)                        | Epidemiology(II)                                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫事與衛生法規                        | Medical and Hygiene Regulations                  | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 衛生教育                           | Health Education                                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 社區保健                           | Community Health                                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院公共衛生學系

Department of Public Health

| 第一學年<br>1st Academic Year                                                                                                                                                                                                   |                                            |                            |                                 |                                                    |                                                    |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                              | 科目英文名稱<br>Course Name in English           | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 環境科學概論                                                                                                                                                                                                                      | Introduction to Environmental Sciences     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 風險評估                                                                                                                                                                                                                        | Risk Assessment                            | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 研究方法與研究設計實驗(一)                                                                                                                                                                                                              | Research Methods and Design Internship (I) | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 空氣污染                                                                                                                                                                                                                        | Air Pollution                              | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 論文研究                                                                                                                                                                                                                        | Seminar                                    | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生物統計實務                                                                                                                                                                                                                      | Biostatistics Practice                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 流行病學實例討論                                                                                                                                                                                                                    | Case Study on Epidemiology                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 公衛期刊論文導讀                                                                                                                                                                                                                    | Introduction to Public Health Journals     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 環境衛生學(一)                                                                                                                                                                                                                    | Environmental Health(I)                    | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 當代公共衛生議題                                                                                                                                                                                                                    | Current Public Health Issues               | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 流行病學(一)                                                                                                                                                                                                                     | Epidemiology(I)                            | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 生物統計學(二)                                                                                                                                                                                                                    | Biostatistics (II)                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                            |                                            |                            | 65                              | 35                                                 | 30                                                 |               |
| 最低畢業學分數 85 學分，必修 65 學分，選修 20 學分<br>Minimum graduation credits: 85 credits, compulsory 65 credits, elective 20 credits                                                                                                       |                                            |                            |                                 |                                                    |                                                    |               |
| 說明 Instructions :                                                                                                                                                                                                           |                                            |                            |                                 |                                                    |                                                    |               |
| 修讀雙主修學生應修滿加修學系全部專業必修科目學分數及本系開設選修科目 20 學分。<br>Students pursuing a double major must complete all required core courses of the additional major, as well as 20 elective credits offered by faculty members of this department |                                            |                            |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫療產業科技管理學系

Department of Health Policy and Management

### 第一學年

1st Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English            | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|---------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 管理學                              | Management                                  | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 微積分                              | Calculus                                    | 必修<br>Required             | 4                               | 2                                                  | 2                                                  |               |
| 會計學                              | Accounting                                  | 必修<br>Required             | 4                               | 2                                                  | 2                                                  |               |
| 經濟學                              | Economics                                   | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫院管理實務                           | Hospital Management Practice                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 套裝軟體－MS EXCEL                    | Software Package - MS EXCEL                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫療產業科技管理論壇                       | Health Industry Technology Management Forum | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 組織行為                             | Organizational Behavior                     | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 生理學                              | Physiology                                  | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 醫務管理概論                           | Introduction to Health Care Management      | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                             |                            | 25                              | 14                                                 | 11                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫療產業科技管理學系

Department of Health Policy and Management

| 第 二 學 年<br>2nd Academic Year     |                                         |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|-----------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English        | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 統計學                              | Statistics                              | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 臨床醫學概論                           | Introduction to Clinical Medicine       | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 醫療經濟學                            | Health Economics                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 病歷與疾病管理                          | Medical Records and Diseases Management | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 行動裝置程式設計                         | Mobile App Development                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 衛生醫療制度                           | Health Care System                      | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 醫事與衛生法規                          | Medical and Hygiene Regulations         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 人力資源管理                           | Human Resource Management               | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 研究方法與研究設計                        | Research Methods and Design             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 衛生行政                             | Public Health Administration            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                         |                                 | 23                              | 10                                                 | 13                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫療產業科技管理學系

Department of Health Policy and Management

| 第 三 學 年<br>3rd Academic Year     |                                                  |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|--------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                 | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 流行病學                             | Epidemiology                                     | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 健康保險                             | Health Insurance                                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 管理數學                             | Management Mathematics                           | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 醫療管理會計                           | Healthcare Managerial Accounting                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 醫療行銷管理                           | Healthcare Marketing Management                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 社區照護管理                           | Community Care Management                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 醫療品質管理                           | Healthcare Quality Management                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 科技管理                             | Technology Management                            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 作業管理                             | Operation Management                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫療產業政策分析                         | Health System Policy Analysis                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 健康資料庫管理與分析                       | Healthcare Database Management and Analysis      | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫務資材與物流管理                        | Health Service Material and Logistics Management | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                  |                                 | 24                              | 12                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫療產業科技管理學系

Department of Health Policy and Management

| 第 四 學 年<br>4th Academic Year                                                                                                                                  |                                         |                                 |                                 |                                                    |                                                    |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese                                                                                                                                | 科目英文名稱<br>Course Name in English        | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 醫務管理實習                                                                                                                                                        | Practicum in Health Services Management | 必修<br>Required                  | 4                               | 4                                                  | 0                                                  |               |
| 醫務策略管理                                                                                                                                                        | Health Services Strategic Management    | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 論文研究                                                                                                                                                          | Seminar                                 | 必修<br>Required                  | 2                               | 1                                                  | 1                                                  |               |
| 醫療資訊學                                                                                                                                                         | Health Care Information                 | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                              |                                         |                                 | 10                              | 7                                                  | 3                                                  |               |
| 最低畢業學分數 82 學分，必修 82 學分，選修 0 學分<br>Minimum graduation credits: 82 credits, compulsory 82 credits, elective 0 credits                                           |                                         |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions :                                                                                                                                             |                                         |                                 |                                 |                                                    |                                                    |               |
| 經核准修讀雙主修學生，應修滿本系全部專業必修科目學分。<br>Students who are approved to pursue a double major must complete all required credits for the core courses of this department. |                                         |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院職業安全衛生學系

Department of Occupational Safety and Health

| 第一學年<br>1st Academic Year        |                                              |                            |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English             | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 微積分                              | Calculus                                     | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生命醫學導論                           | Introduction to Life Medicine                | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 職業安全衛生概論                         | Introduction to Occupational Safety & Health | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通物理學                            | General Physics                              | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 統計學(一)                           | Statistics(I)                                | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 環境化學概論                           | Introduction to Environmental Chemistry      | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 環境化學實驗                           | Environmental Chemistry Experiment           | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                              |                            | 13                              | 6                                                  | 7                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院職業安全衛生學系

Department of Occupational Safety and Health

| 第 二 學 年<br>2nd Academic Year     |                                       |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|---------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English      | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 噪音與振動                            | Noise and Vibration                   | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 工業安全工程                           | Industrial Safety Engineering         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 工業毒物學                            | Industrial Toxicology                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 統計學(二)                           | Statistics(II)                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 作業環境測定(一)                        | Workplace Monitoring (I)              | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 作業環境測定實驗(一)                      | Workplace Monitoring Laboratory(I)    | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 工業通風                             | Industrial Ventilation                | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 防火防爆學                            | Fire and Explosion Protection         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 機電防護                             | Machinery and Electrical Safety       | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 熱力學                              | Thermodynamics                        | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 儀器分析概論                           | Introduction to Instrumental Analysis | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 作業環境測定(二)                        | Workplace Monitoring(II)              | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 作業環境測定實驗(二)                      | Workplace Monitoring Laboratory(II)   | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                       |                                 | 24                              | 11                                                 | 13                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院職業安全衛生學系

Department of Occupational Safety and Health

| 第 三 學 年<br>3rd Academic Year     |                                     |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|-------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English    | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 人因工程                             | Ergonomics                          | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 暴露評估                             | Exposure Assessment                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 風險危害評估                           | Risk Assessment                     | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 生物偵測                             | Biological Monitoring               | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 儀器分析實驗                           | Instrumental Analysis Laboratory    | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 專題研究(一)                          | Independent Study(I)                | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 職業安全衛生法規                         | Occupational Safety and Health Laws | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 健康風險評估                           | Health Risk Assessment              | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 工業安全管理                           | Industrial Safety Management        | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 衛生管理實務                           | Health Management and Practice      | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(二)                          | Independent Study (II)              | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                     |                                 | 20                              | 10                                                 | 10                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院職業安全衛生學系

Department of Occupational Safety and Health

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                       | 科目英文名稱<br>Course Name in English                | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 安全衛生實務實習                                                                                                                                                                                                             | Practicum in Occupational Safety and Health     | 必修<br>Required                  | 4                               | 4                                                  | 0                                                  |               |
| 作業環境控制工程                                                                                                                                                                                                             | Workplace Environmental Control Engineering     | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 危險性機械設備安全                                                                                                                                                                                                            | The Safety of High Risk Machinery and Equipment | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 安全衛生書報討論                                                                                                                                                                                                             | Occupational Safety and Health Seminar          | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 專題研究（三）                                                                                                                                                                                                              | Independent Study (III)                         | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 有害物質管理策略                                                                                                                                                                                                             | Hazardous Materials Management Strategy         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 專題研究(四)                                                                                                                                                                                                              | Independent Study (IV)                          | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                     |                                                 |                                 | 13                              | 10                                                 | 3                                                  |               |
| 最低畢業學分數 98 學分，必修 70 學分，選修 28 學分<br>Minimum graduation credits: 98 credits, compulsory 70 credits, elective 28 credits                                                                                                |                                                 |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                                                                                                                     |                                                 |                                 |                                 |                                                    |                                                    |               |
| 修讀雙主修學生應修滿加修學系全部專業必修科目學分數及本系開設選修科目 28 學分。<br>Students enrolled in a double major program must complete all required core courses of the second major, in addition to 28 elective credits offered by this department. |                                                 |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學應用化學系

Department of Medical Applied Chemistry

| 第一學年<br>1st Academic Year      |                                      |                            |                                 |                                                    |                                                    |               |
|--------------------------------|--------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English     | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 普通化學                           | General Chemistry                    | 必修<br>Required             | 4                               | 4                                                  | 0                                                  |               |
| 有機化學(一)                        | Organic Chemistry (I)                | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 分析化學(二)                        | Analytical Chemistry (II)            | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 物理化學(一)                        | Physical Chemistry(I)                | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 無機化學(二)                        | Inorganic Chemistry(II)              | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 普通生物學                          | General Biology                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 生物化學(一)                        | Biochemistry(I)                      | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 微積分(一)                         | Calculus(I)                          | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 醫藥品設計與合成                       | Drug Design and Synthesis            | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 普通化學實驗                         | General Chemistry Laboratory         | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 分析化學實驗(二)                      | Analytical Chemistry Laboratory (II) | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 書報討論(一)                        | Discussion in Literature (I)         | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 書報討論(三)                        | Discussion in Literature(III)        | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 有機化學實驗(一)                      | Organic Chemistry Laboratory (I)     | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 物理化學實驗(一)                      | Physical Chemistry Laboratory(I)     | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 分析化學(一)                        | Analytical Chemistry(I)              | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 有機化學(二)                        | Organic Chemistry (II)               | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 無機化學(一)                        | Inorganic Chemistry (I)              | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 物理化學(二)                        | Physical Chemistry(II)               | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 普通物理學                          | General Physics                      | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學應用化學系

Department of Medical Applied Chemistry

| 第一學年<br>1st Academic Year      |                                         |                            |                                 |                                                    |                                                    |               |
|--------------------------------|-----------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English        | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 生物化學(二)                        | Biochemistry(II)                        | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 儀器分析(一)                        | Principles of Instrumental Analysis(I)  | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 藥物化學                           | Medicinal Chemistry                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 健康醫學概論                         | Introduction to Health Medicine         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 藥妝品學                           | Cosmeceuticals                          | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 分析化學實驗(一)                      | Analytical Chemistry Laboratory (I)     | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 書報討論(二)                        | Discussion in Literature (II)           | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 微積分(二)                         | Calculus(II)                            | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 書報討論(四)                        | Discussion in Literature(IV)            | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 有機化學實驗(二)                      | Organic Chemistry Laboratory ( II )     | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 儀器分析實驗(一)                      | Instrumental Analysis Laboratory(I)     | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 藥物學                            | Materia Medica                          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 生物技術概論                         | Introduction to Biotechnology           | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 儀器分析(二)                        | Principles of Instrumental Analysis(II) | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 有機光譜                           | Spectroscopy for Organic Chemistry      | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 特用化學品                          | Specialty Chemicals                     | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 無機化學特論                         | Special Topics in Inorganic Chemistry   | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 有機合成                           | Organic Synthesis                       | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 有機金屬化學                         | Organometallics                         | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 保健科技學                          | Introduction to Health Science          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |
| 奈米科技概論                         | Introduction to Nanotechnology          | 選修<br>Elective             | 2                               | 2                                                  | 0                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學應用化學系

Department of Medical Applied Chemistry

| 第一學年<br>1st Academic Year      |                                                            |                          |                          |                                          |                                          |               |
|--------------------------------|------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------|------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese | 科目英文名稱<br>Course Name in English                           | 必選修<br>Required Elective | 合計學分<br>Credits Subtotal | 第一學期<br>1 <sup>st</sup> Semester Credits | 第二學期<br>2 <sup>nd</sup> Semester Credits | 備註<br>Remarks |
| 藥物與化妝品分析                       | Pharmaceutical and Cosmetic Analysis                       | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 芳香療法                           | Aromatherapy                                               | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 3D 列印：積層製造技術與應用                | 3D Printing, Additive Manufacturing                        | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 醣化學                            | Introduction of Carbohydrate Chemistry                     | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 深度學習在化學上的應用                    | Deep Learning in Chemistry                                 | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 科技英文與數位工具應用實務                  | Digital Tools and Practice for Learning Scientific English | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 醫用微生物與免疫化學                     | Chemistry of Medical Microbiology                          | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 人工智慧與分子模擬                      | Artificial Intelligence and Molecular Simulation           | 選修<br>Elective           | 2                        | 2                                        | 0                                        |               |
| 儀器分析實驗(二)                      | Instrumental Analysis Laboratory(II)                       | 選修<br>Elective           | 1                        | 1                                        | 0                                        |               |
| 永續發展探索                         | Exploration of Sustainability                              | 選修<br>Elective           | 1                        | 1                                        | 0                                        |               |
| 檢測應用                           | Detection Application                                      | 選修<br>Elective           | 1                        | 1                                        | 0                                        |               |
| 醫用材料化學概論                       | Introduction to Medical materials Chemistry                | 選修<br>Elective           | 3                        | 0                                        | 3                                        |               |
| 有機化學特論                         | Special Topics in Organic Chemistry                        | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 環境化學                           | Environmental Chemistry                                    | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 化學產業發展                         | Development of Chemical Industries                         | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 材料分析                           | Material Analysis                                          | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 綠色化學                           | Green Chemistry                                            | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 生醫材料導論                         | Introduction to Biomaterials                               | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 生物無機化學導論                       | Introduction to Bioinorganic Chemistry                     | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 醫藥高分子化學                        | Medical Polymer Chemistry                                  | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |
| 醫藥無機化學概論                       | Introduction to Medicinal Inorganic Chemistry              | 選修<br>Elective           | 2                        | 0                                        | 2                                        |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學應用化學系

Department of Medical Applied Chemistry

### 第一學年

1st Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                        | 科目英文名稱<br>Course Name in English                                             | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 美容藥物學                                                                                                                 | Cosmetic Pharmacology                                                        | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 光電材料概論                                                                                                                | Introduction to Electro-optic Material                                       | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 化妝品調製學                                                                                                                | Cosmetic Manufacture                                                         | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 有機人名反應與應用                                                                                                             | Organic Name Reactions and Applications                                      | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 配位化學                                                                                                                  | Coordination Chemistry                                                       | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 應用化學導論                                                                                                                | Introduction to Applied Chemistry                                            | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 臨床生醫材料                                                                                                                | Clinical Biomedical Materials                                                | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 高分子化學與循環設計                                                                                                            | Polymer Chemistry and Circular Design                                        | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 計算材料化學                                                                                                                | Computational Material Chemistry                                             | 選修<br>Elective             | 2                               | 0                                                  | 2                                                  |               |
| 核醫藥物暨放射化學概論                                                                                                           | Introduction to Radiochemistry and Nuclear Pharmacy                          | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 物理化學實驗(二)                                                                                                             | Physical Chemistry Laboratory(II)                                            | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 化學與生物感測技術導論                                                                                                           | Introduction to Chemo-and Biosensors Technology                              | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 醫學與應用化學                                                                                                               | Medicine and Applied Chemistry                                               | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 人工智慧與有機化學                                                                                                             | Artificial Intelligence in Organic Chemistry                                 | 選修<br>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<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 科學加工                                                                                                                  | Scientific Processing                                                        | 選修<br>Elective             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                      |                                                                              |                            | 60                              | 30                                                 | 30                                                 |               |
| 最低畢業學分數 80 學分，必修 60 學分，選修 20 學分<br>Minimum graduation credits: 80 credits, compulsory 60 credits, elective 20 credits |                                                                              |                            |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                      |                                                                              |                            |                                 |                                                    |                                                    |               |
| 最低畢業學分數 80 學分，必修 60 學分，選修 20 學分<br>Minimum graduation credits: 80 credits, compulsory 60 credits, elective 20 credits |                                                                              |                            |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院健康產業科技管理學系

Department of Health Industry Technology Management

| 第一學年<br>1st Academic Year        |                                            |                            |                                 |                                                    |                                                    |               |
|----------------------------------|--------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English           | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 營養學                              | Nutrition                                  | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 健康經濟學                            | Health Economics                           | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 餐飲管理                             | Food and Beverage Management               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 食品微生物學                           | Food Microbiology                          | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 營養學實驗                            | Nutrition Laboratory                       | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 食品微生物學實驗                         | Food Microbiology Laboratory               | 必修<br>Required             | 1                               | 1                                                  | 0                                                  |               |
| 管理學                              | Management                                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 統計學                              | Statistics                                 | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 食物製備原理                           | Principles of Food Preparation             | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 食物製備創新與管理                        | Food Preparation Innovation and Management | 必修<br>Required             | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                            |                            | 16                              | 10                                                 | 6                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院健康產業科技管理學系

Department of Health Industry Technology Management

| 第 二 學 年<br>2nd Academic Year     |                                                             |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|-------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                            | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 會計學                              | Accounting                                                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 健康食品學                            | Health Food Science                                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 食品衛生安全                           | Food Sanitation and Safety                                  | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 食品生物化學                           | Food Biochemistry                                           | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 基礎中餐烹調與管理                        | Basic Chinese Cuisine Preparation and Management            | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 基礎中餐烹調與管理實驗                      | Basic Chinese Cuisine Preparation and Management Laboratory | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 人力資源管理                           | Human Resource Management                                   | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品化學                             | Food Chemistry                                              | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品加工學                            | Food Processing                                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 行銷學                              | Marketing                                                   | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品分析                             | Food Analysis                                               | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 營養生化學                            | Nutritional Biochemistry                                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品分析實驗                           | Food Analysis Laboratory                                    | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                             |                                 | 23                              | 10                                                 | 13                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院健康產業科技管理學系

Department of Health Industry Technology Management

| 第 三 學 年<br>3rd Academic Year     |                                             |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|---------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English            | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 財務管理                             | Financial Management                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 食品冷凍學                            | Frozen Food                                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 創新與創業管理                          | Innovation and Entrepreneur-ship Management | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 健康促進與疾病預防                        | Health Promotion and Disease Prevention     | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 食品安全管制系統                         | Food Safety Control System                  | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 食品與保健醫學                          | Food and Health Medicine                    | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 健康產業專案報告                         | Seminar in Health Industry                  | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 食品加工學實驗                          | Food Processing Laboratory                  | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                             |                                 | 14                              | 9                                                  | 5                                                  |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院健康產業科技管理學系

Department of Health Industry Technology Management

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                             | 科目英文名稱<br>Course Name in English                                     | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 健康產業科技書報討論                                                                                                                                 | Seminar in the Health Industry Technology                            | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 健康產業管理實習                                                                                                                                   | Practicum in Health Industry Management                              | 必修<br>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<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                           |                                                                      |                                 | 6                               | 4                                                  | 2                                                  |               |
| 最低畢業學分數 59 學分，必修 59 學分，選修 0 學分<br>Minimum graduation credits: 59 credits, compulsory 59 credits, elective 0 credits                        |                                                                      |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions：                                                                                                                           |                                                                      |                                 |                                 |                                                    |                                                    |               |
| 經核准修讀雙主修學生，應修滿本系全部專業必修科目學分。<br>Students approved for a double major are required to complete all core required courses of this department. |                                                                      |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學資訊學系

Department of Medical Informatics

| 第一學年<br>1st Academic Year        |                                        |                            |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English       | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 醫學資訊概論                           | Introduction to Medical Information    | 必修<br>Required             | 3                               | 3                                                  | 0                                                  |               |
| 微積分                              | Calculus                               | 必修<br>Required             | 4                               | 2                                                  | 2                                                  |               |
| 管理學                              | Management                             | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 物件導向程式設計(一)                      | Object-Oriented Programming (I)        | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 計算機組織與結構                         | Computer Architecture and Organization | 必修<br>Required             | 3                               | 0                                                  | 3                                                  |               |
| 醫務管理概論                           | Introduction to Health Care Management | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 線性代數                             | Linear Algebra                         | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                        |                            | 19                              | 7                                                  | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學資訊學系

Department of Medical Informatics

| 第 二 學 年<br>2nd Academic Year     |                                                       |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|-------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                      | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 機率與統計                            | Probability and Statistics                            | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 資料結構                             | Data Structure                                        | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 臨床醫學網路暨資訊安全                      | Network and Information Security in Clinical Medicine | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 健康雲與大數據                          | Health Cloud and Big Data                             | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 作業系統                             | Operating Systems                                     | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 資料庫系統                            | Database System Analysis and Design                   | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 研究方法與生醫資料分析                      | Research Methods and Biomedical Data Analysis         | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 醫用程式語言                           | Programming Language for Hospital                     | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                       |                                 | 23                              | 11                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學資訊學系

Department of Medical Informatics

### 第 三 學 年

3rd Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English               | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 資料庫管理系統                          | Database Management System                     | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 醫用資訊系統分析與設計                      | Medical Information System Analysis and Design | 必修<br>Required                  | 3                               | 3                                                  | 0                                                  |               |
| 管理資訊系統                           | Management Information Systems                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 實習                               | Internship                                     | 必修<br>Required                  | 4                               | 0                                                  | 4                                                  |               |
| 醫用行動軟體設計                         | Mobile APP Design in Medical Application       | 必修<br>Required                  | 3                               | 0                                                  | 3                                                  |               |
| 醫療資訊管理                           | Medical Information Management                 | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫療系統安全                           | Medical Information System Security            | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫學資訊專題(一)                        | Independent Study in Medical Informatics(I)    | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                |                                 | 20                              | 8                                                  | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院醫學資訊學系

Department of Medical Informatics

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                           | 科目英文名稱<br>Course Name in English             | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 書報討論(一)                                                                                                                                                                                                                                                                  | Discussion in Literature (I)                 | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 醫學資訊專題(二)                                                                                                                                                                                                                                                                | Independent Study in Medical Informatics(II) | 必修<br>Required                  | 1                               | 1                                                  | 0                                                  |               |
| 書報討論(二)                                                                                                                                                                                                                                                                  | Discussion in Literature (II)                | 必修<br>Required                  | 1                               | 0                                                  | 1                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                         |                                              |                                 | 3                               | 2                                                  | 1                                                  |               |
| 最低畢業學分數 65 學分，必修 65 學分<br>Minimum graduation credits: 65 credits, compulsory 65 credits                                                                                                                                                                                  |                                              |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions :                                                                                                                                                                                                                                                        |                                              |                                 |                                 |                                                    |                                                    |               |
| 經核准修讀雙主修學生，應修滿本系全部必修科目學分及通過本系程式設計能力畢業資格檢定。<br>Students who are approved to pursue a double major must complete all required credits for the compulsory courses in this department and pass the department's programming proficiency graduation qualification assessment. |                                              |                                 |                                 |                                                    |                                                    |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院應用外國語言學系

Department of Applied Foreign Languages

### 第一學年

1st Academic Year

| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English             | 必修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------|----------------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 初級日文                             | Elementary Japanese                          | 必修<br>Required             | 8                               | 4                                                  | 4                                                  |               |
| 英文翻譯技巧                           | English Translation Techniques               | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 初級英文文法與寫作(一)                     | Elementary English Grammar & Composition(I)  | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 英語溝通技巧                           | English Communication Skills                 | 必修<br>Required             | 2                               | 2                                                  | 0                                                  |               |
| 初級英文文法與寫作(二)                     | Elementary English Grammar & Composition(II) | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 英美文學作品賞析                         | English Literature Study                     | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 英語演說訓練                           | English Speech Training                      | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 英文字彙與閱讀技巧                        | English Vocabulary & Reading Skills          | 必修<br>Required             | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                              |                            | 22                              | 10                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院應用外國語言學系

Department of Applied Foreign Languages

| 第 二 學 年<br>2nd Academic Year     |                                        |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|----------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English       | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 中級日文                             | Intermediate Japanese                  | 必修<br>Required                  | 6                               | 4                                                  | 2                                                  |               |
| 日語會話                             | Japanese Conversation                  | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 英語教學法                            | English Teaching Methodology           | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 中級英文寫作                           | Intermediate English Composition       | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 中級英語會話(一)                        | Intermediate English Conversation(I)   | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 創意數位行銷英文                         | English for Creative Digital Marketing | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 中級英語會話(二)                        | Intermediate English Conversation(II)  | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 語言學概論(一)                         | Introduction to Linguistics(I)         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 日語句型與文法                          | Japanese Sentence Patterns and Grammar | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                        |                                 | 26                              | 14                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院應用外國語言學系

Department of Applied Foreign Languages

| 第 三 學 年<br>3rd Academic Year     |                                                      |                                 |                                 |                                                    |                                                    |               |
|----------------------------------|------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 科目名稱<br>Course Name in Chinese   | 科目英文名稱<br>Course Name in English                     | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
| 語言發展與第二語言習得                      | Language Development & Second Language Acquisition   | 必修<br>Required                  | 4                               | 2                                                  | 2                                                  |               |
| 高級英語會話                           | Advanced English Conversation                        | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 日語語法(一)                          | Japanese Grammar (I)                                 | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 高級日文                             | Advanced Japanese                                    | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 醫護英文(一)                          | Medical-Nursing English (I)                          | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 商用英文寫作                           | Business English Composition                         | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 日語語法(二)                          | Japanese Grammar (II)                                | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫護英文(二)                          | Medical-Nursing English (II)                         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 高級英文寫作:論文寫作                      | Advanced English Composition: Research Paper Writing | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 醫護日文                             | Medical-Nursing Japanese                             | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 時事日文                             | News in Japanese                                     | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal |                                                      |                                 | 24                              | 12                                                 | 12                                                 |               |

# 中山醫學大學

Chung Shan Medical University

## 115 學年度雙主修應修科目及學分表

Courses and Credits for Double Major in the 115th Academic Year

健康管理學院應用外國語言學系

Department of Applied Foreign Languages

### 第 四 學 年

4th Academic Year

| 科目名稱<br>Course Name in Chinese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 科目英文名稱<br>Course Name in English | 必選<br>修<br>Required<br>Elective | 合計<br>學分<br>Credits<br>Subtotal | 第一<br>學期<br>1 <sup>st</sup><br>Semester<br>Credits | 第二<br>學期<br>2 <sup>nd</sup><br>Semester<br>Credits | 備註<br>Remarks |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------|
| 英文筆譯                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | English Written Translation      | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 商用日文寫作                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Business Japanese Composition    | 必修<br>Required                  | 2                               | 2                                                  | 0                                                  |               |
| 日文筆譯                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Japanese Written Translation     | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 英語口譯                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | English Oral Translation         | 必修<br>Required                  | 2                               | 0                                                  | 2                                                  |               |
| 必修學分合計 Required Credits Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                                 | 8                               | 4                                                  | 4                                                  |               |
| 最低畢業學分數 80 學分，必修 80 學分<br>Minimum graduation credits: 80 credits, compulsory 80 credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                 |                                 |                                                    |                                                    |               |
| 說明 Instructions :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                 |                                 |                                                    |                                                    |               |
| <p>一、其他規定: 若報名人數超額時，由系主任審查核定錄取名單。</p> <p>二、修讀雙主修學生，除應修滿本系全部應修必修科目學分，且「英日文能力」必須達到「本系外語能力檢測暨畢業資格實施辦法」之檢測標準或規定，經考核成績合格，始可取得雙主修資格。</p> <p>1.Other Regulations: In the event of over-enrollment, the final list of admitted students will be reviewed and approved by the Department Chair.</p> <p>2.Double Major Requirements: Students pursuing a double major must complete all required core courses of this department. In addition, their English and Japanese language proficiency must meet the standards set by the department's 「Foreign Language Proficiency Assessment and Graduation Requirements Policy.」 Only upon passing the assessment can students be officially granted the double major qualification.</p> |                                  |                                 |                                 |                                                    |                                                    |               |