

| 長庚科技大學                        |  |                     |   |  |                                     |        |       |       |      |     |      |    |      | 111學年度第2學期校級課程委員會修訂通過(1120628) |    |   |     |        |      |  |  |  |  |
|-------------------------------|--|---------------------|---|--|-------------------------------------|--------|-------|-------|------|-----|------|----|------|--------------------------------|----|---|-----|--------|------|--|--|--|--|
| 四技保健營養系日間部課程科目表（112學年度入學學生適用） |  |                     |   |  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 類別                            | 學群   | 中文科目名稱              | 英文科目名稱  | 科目代號                                       | 學分                                  | 時數     | 第一學年  |       | 第二學年 |     | 第三學年 |    | 第四學年 |                                | 備註 |   |     |        |      |  |  |  |  |
|                               |  |                     |   |  |                                     |        | 學分    | 時數    | 學分   | 時數  | 學分   | 時數 | 學分   | 時數                             |    |   |     |        |      |  |  |  |  |
| 共同必修                          | 校級必修   | 閱讀與寫作               | Reading and Writing   | X00085                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 溝通與表達               | Communication and Expression                                      | X00086                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 英文(1)               | English(I)  | X00059                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 英文(2)               | English(II)   | X00060                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 專業英文(二)             | ESP(II)-English for Nutrition and Health Sciences                 | X00088                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 心理學                 | Psychology  | X00011                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 資訊科技與軟體實務           | Information technology and software application                   | X00075                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 社會學                 | Sociology   | X00013                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 體育(1)               | Physical Education(I)   | X00CL3                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 體育(2)               | Physical Education(II)  | X00CM3                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               | 勞作教育   | Physical Labor      | X10002  | 0  | 1                                   |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 共同必修小計                        |  |                     |   |  | 20                                  | 13     | 8     |       | 10   |     | 2    |    | 0    | 0                              | 0  | 0 |     |        |      |  |  |  |  |
| 專業必修                          | 核心課程   | 食品營養產業概論            | Introduction to food and nutrition industry                       | XK0057                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 食物學原理暨實驗            | Principles of Food Science  | XK0040                                     | 3                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養學(1)              | Nutrition(I)  | XK0048                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養學(2)              | Nutrition(II)   | XK0049                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養學(3)              | Nutrition(III)  | XK0050                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養學實驗(1)            | Experiment of Nutrition(I)  | XK0018                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 餐點設計與實驗             | Design and Experiment of Meals                                    | XK0025                                     | 2                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 團體膳食管理              | Meal Planning and Food Service Management                         | XK0021                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 團體膳食管理實驗            | Meal Planning and Food Service Management (experiment)            | XK0022                                     | 2                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 食品化學暨實驗             | Food chemistry and experiment                                     | XK0058                                     | 3                                   | 4      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生物統計學               | Biological Statistics   | XK0056                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生物化學(1)             | Biochemistrv(I)   | XK0006                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生物化學(2)             | Biochemistrv(II)  | XK0007                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生物化學實驗(1)           | Biochemistrv Laboratory(I)  | XK0008                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生物化學實驗(2)           | Biochemistrv Laboratory(II)                                       | XK0009                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 膳食營養學實驗(1)          | Experiment of diet Therapy(I)                                     | XK0028                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 膳食營養學(1)            | Therapeutic Nutrition(I)  | XK0053                                     | 4                                   | 4      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 膳食營養學(2)            | Therapeutic Nutrition(II)   | XK0054                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 食品衛生與安全             | Food Sanitation and Safety  | XK0013                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養生理暨生化學(1)         | Nutritional Physiology and Biochemistry(I)                        | XK0045                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養生理暨生化學(2)         | Nutritional Physiology and Biochemistry(II)                       | XK0046                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專業必修小計                        |  |                     |   |  | 42                                  | 49     | 8     |       | 4    | 2+7 | 5+7  |    | 8    |                                | 4  | 2 | 2   |        |      |  |  |  |  |
| 必修總計                          |  |                     |   |  | 62                                  | 62     |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 營養科學模組                        | 營養科學模組   | 營養創業                | Food and nutrition entrepreneurship                               | XKA077                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     | 創新創業學程 |      |  |  |  |  |
|                               |  | 營養學實驗(2)            | Experiment of Nutrition(II)                                       | XKA070                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生理學暨實驗              | Physiology and Laboratory   | XKA071                                     | 3                                   | 4      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 生命期營養學              | Life Span Nutrition   | XKA060                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 公共衛生營養學             | Public Health Nutrition   | XKA072                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 膳食營養學實驗(2)          | Experiment of diet Therapy(II)                                    | XKA073                                     | 1                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 專題討論(1)             | Seminar(I)  | XKA075                                     | 1                                   | 1      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養專業綜論(1)           | General review of Nutrition(1)                                    |  | 3                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養專業綜論(2)           | General review of Nutrition(2)                                    |  | 3                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 專題製作                | 專題製作(1)-培養基礎操作能力  |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 專題製作                | 專題製作(2)-落實進階實作能力  |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 專題製作                | 專題製作(3)-展現實作成果  |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 實習                  | 食品營養與生物技術實習   |  | 2                                   | 8      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 實習                  | 營養實習-基礎實習   |  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 實習                  | 營養實習-社區營養   | Practicum in Nutrition-Community Nrtition  | XKAB01                              | 1      | 4     |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 實習                  | 營養實習-團體營養   | Practicum in Nutrition-Diet Management     | XKAB02                              | 2      | 8     |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 實習                  | 營養實習-臨床營養   | Practicum in Nutrition- Clinical Nutrition | XKAB03                              | 3      | 12    |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養科學模組小計            |   |  |                                     |        | 26/31 | 35/55 | 0    |     | 0    | 4  |      | 2                              |    | 4 | 4/5 | 5/7    | 5/11 |  |  |  |  |
|                               |  | 食品科技模組              | 食品科技模組  | 食品创客                                       | Food and nutrition entrepreneurship | XKA079 | 2     | 2     |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  |                     |   | 食品微生物學暨實驗                                  | Food Microbiology and Experiment    |        | 3     | 3     |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  |                     |   | 食品加工學暨實驗                                   | Food Processing and Experiment      |        | 3     | 3     |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品單元操作                        | Food unit operations                               |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專題討論(1)                       | Seminar(I)   |                     |   | XKA075                                     | 1                                   | 1      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 機能性食品綜論                       | Special Topics in the Functional Foods             |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品分析暨實驗                       | Food Analysis Experiment                           |                     |   |  | 3                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品品質管制                        | Food quality control                               |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專題製作                          | 專題製作(1)-培養基礎操作能力                                   |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專題製作                          | 專題製作(2)-落實進階實作能力                                   |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專題製作                          | 專題製作(3)-展現實作成果                                     |                     |   |  | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品營養與生物技術實習                   | Practice Food Nutrition and Biotechnology          |                     |   |  | 2                                   | 8      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品科技模組小計                      |  |                     |   |  | 26                                  | 32     | 0     |       | 0    | 0   | 3    |    | 5    |                                | 7  | 7 | 4   |        |      |  |  |  |  |
| 專業選修                          | 基礎醫學課程   | 生物學暨實驗              | Biology and Experiment  | XKA069                                     | 2                                   | 3      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 有機化學                | Organic Chemistry   | XKA052                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 解剖學暨實驗              | Anatomy and Experiment  | XKA058                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 應用病理學               | Applied Pathology   | XKA015                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 應用藥理學               | Applied Pharmacology  | XKA036                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 領導力與創實力             | Leadership and entrepreneurship                                   | XKA076                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 電商與微型創業             | Entrepreneurial E-Commerce  | XKA068                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 創新創業企劃與實作           | Innovation and Entrepreneurship : practice and project management | XKA066                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 高齡友善服務人才培育          | Friendly service personnel training in elder                      | XKA080                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 健康促進                | Health Promotion  | XKA029                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               | 選修   | 營養與老化               | Nutrition and Aging   | XKA002                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 食品餐飲英文              | Food & Catering English   | X1G006                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 營養與免疫               | Nutrition and Immunity  | XKA078                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 從農場到餐桌              | From the farm to the table  | XKA059                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 膳食質地分級與照護特論         | Special topics in dietary texture grading and care                | XKA064                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 飲食質地分類暨備實務          | Food texture classification preparation practice                  | XKA067                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               |  | 電子商務與物流管理           | Cultural Creativity and Industrial Marketing                      | XKA008                                     | 2                                   | 2      |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品調理學與實驗                      | Food Production Research and Practice              | XKA014              | 2   | 3  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 文獻導讀                          | le Introduction to literature study                |                     | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 婦幼及成人保健                       | Maternal-children and adult health                 | XKA010              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品行銷管理                        | Food Marketing Management                          | XKA020              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 營養諮詢與教育                       | Nutrition counseling and education                 | XKA011              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 臨床營養學                         | Clinical Nutrition                                 | XKA017              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 飲食行為改變與溝通                     | Dietary Behaviour Change & Communication           | XKA042              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 餐飲技術實務                        | Food technology practice                           | XKA047              | 2   | 3  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專題討論(2)                       | Seminar(II)  | XKA061              | 1   | 1  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 體適能計畫與體重管理                    | Physical Fitness Programs and Weight Management    | XKA007              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 中醫養生概論                        | Traditional Chinese Life Nurturing                 | XKA018              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 食品法規概論                        | Introduction to Food Laws                          | X1C012              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 保健食品開發                        | Functional food development                        | XKA019              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 高齡照護營養學                       | Nutrition for Long Term Care Resident              | XKA038              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 藥膳與食療                         | medicinal foods                                    | XKA027              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 分子生物學                         | Molecular biology                                  | XKA044              | 2   | 2  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專業選修總計                        |  |                     |   |  | 50                                  | 50     | 0     |       | 6    | 6   | 10   |    | 14   |                                | 12 |   | 11  | 4      |      |  |  |  |  |
| 通識選修                          | 社會人文學群<br>中於語文學群<br>自然科學學群                         | 共16學分，科目詳見通識教育中心網頁。 |   |  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 校級自由選修                        | 校級跨域微課程  | 跨域微課程應修2學分          |   | 領袖魅力課程，詳見教務處網頁。                            |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
|                               | 系統跨域微課程，詳見教務處網頁，學生不得修讀本系開設之跨域微課程，除護理系「護理能力實務檢定」課程。 |                     |   |  |                                     |        |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 必修總計                          |  |                     |   |  | 62                                  | 62     |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 通識選修總計                        |  |                     |   |  | 16                                  | 16     |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 專業選修總計                        |  |                     |   |  | 50                                  | 50     |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |
| 畢業學分/時數總計                     |  |                     |   |  | 128                                 | 128    |       |       |      |     |      |    |      |                                |    |   |     |        |      |  |  |  |  |