

中華科技大學二專進修部電機與資訊工程系課程規劃表(115學年度入學)

115年4月9日114學年度第2學期第1次系課程發展委員會通過  
115年4月27日114學年度第2學期第1次院課程發展委員會通過  
115年5月4日114學年度第2學期第1次校課程發展委員會通過

|                                                      |                                       | 第一學年/First Academic Year                                |  |                        |             | 第二學年/Second Academic Year |             |                                                    |    | 總學分<br>Total<br>Credits | 總時數<br>Total Hours |                        |             |                         |             |
|------------------------------------------------------|---------------------------------------|---------------------------------------------------------|--|------------------------|-------------|---------------------------|-------------|----------------------------------------------------|----|-------------------------|--------------------|------------------------|-------------|-------------------------|-------------|
|                                                      |                                       | 科目 /Course Title                                        |  | 第一學期<br>First Semester |             | 第二學期<br>Second Semester   |             | 科目 /Course Title                                   |    |                         |                    | 第一學期<br>First Semester |             | 第二學期<br>Second Semester |             |
|                                                      |                                       |                                                         |  | 學分<br>Credits          | 時數<br>Hours | 學分<br>Credits             | 時數<br>Hours |                                                    |    |                         |                    | 學分<br>Credits          | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours |
| 學校必修<br>(通識科目)<br>Courses Required by the University |                                       | 通識課程(一)/General Courses(I)                              |  | \                      | \           | 2                         | 2           | 通識課程(二)/General Courses(II)                        |    | 2                       | 2                  | \                      | \           | 10                      | 10          |
|                                                      |                                       | 中文寫作與應用(一)(二)/Chinese Writing and Application(I)(II)    |  | 2                      | 2           | 2                         | 2           | 通識課程(三)/General Courses(III)                       |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | 小計/Subtotal                                             |  | 2                      | 2           | 4                         | 4           | 小計/Subtotal                                        |    | 2                       | 2                  | 2                      | 2           |                         |             |
| 學院必修<br>(專業科目)<br>Courses Required by the College    |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             | 0                       | 0           |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | 小計/Subtotal                                             |  | 0                      | 0           | 0                         | 0           | 小計/Subtotal                                        |    | 0                       | 0                  | 0                      | 0           |                         |             |
| 學系必修<br>(專業科目)<br>Courses Required by the Department |                                       | 基礎數學/ Elementary Mathematics                            |  | 3                      | 3           | \                         | \           | 工程數學/ Engineering Mathematics                      |    | 3                       | 3                  | \                      | \           | 41                      | 41          |
|                                                      |                                       | 基本電學/ Basic Electricity                                 |  | 3                      | 3           | \                         | \           | 電路學/ Electric Circuit                              |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | #計算機概論/ Introduction to Computers                       |  | 3                      | 3           | \                         | \           | #網路概論/ Networking Fundamentals                     |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 數位邏輯/ Digital Logic                                     |  | 2                      | 2           | \                         | \           | #微算機實務/ Microcomputer Practice                     |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | #數位邏輯實習/ Digital Logic Experiments                      |  | 3                      | 3           | \                         | \           | #晶片設計導論/ Introduction to IC Chip Design            |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       | 微積分/ Calculus                                           |  | \                      | \           | 3                         | 3           |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | #計算機程式/ Computer Programming                            |  | \                      | \           | 3                         | 3           |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | 電子學/ Electronics                                        |  | \                      | \           | 3                         | 3           |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | #應用電子實習/ Applied Electronics Practice                   |  | \                      | \           | 3                         | 3           |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       | 小計/Subtotal                                             |  | 14                     | 14          | 12                        | 12          | 小計/Subtotal                                        |    | 12                      | 12                 | 3                      | 3           |                         |             |
| 選修科目<br>Elective Course                              | 校選修<br>(通識科目)<br>University Electives |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             | 29                      | 29          |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      | 院選修<br>(專業科目)<br>College Electives    |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      | 學系選修<br>Department Electives          | #多媒體應用概論/ Introduction to Multimedia Applications       |  | 2                      | 2           | \                         | \           | 應用電子學/ Applied Electronics                         |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 電子商務概論/ Introduction to Electronic Commerce             |  | 2                      | 2           | \                         | \           | 創新管理/ Innovation Management                        |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 電機工程概論/ Introduction of Electrical Engineering          |  | 2                      | 2           | \                         | \           | #物件導向程式設計/ Object-oriented programming             |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 工業安全/Instrial Safety                                    |  | 2                      | 2           | \                         | \           | #創意電子實習/Creative Electronic Experiment             |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 物理(一)(二)/Physics(I)(II)                                 |  | 2                      | 2           | 2                         | 2           | #資料結構/ Data Structure                              |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | #視窗軟體應用/ Applications for Windows                       |  | \                      | \           | 2                         | 2           | 行動裝置程式設計/ Mobile Device Programming                |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | #影像處理/ Image Processing                                 |  | \                      | \           | 2                         | 2           | 計算機組織/ Computer Organization                       |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 工業配線/ Industrial Electricity Distribution               |  | \                      | \           | 2                         | 2           | 室內配線/Rooms Distribution Engineering                |    | 3                       | 3                  | \                      | \           |                         |             |
|                                                      |                                       | 屋內線路裝置規則/Regulations for Installation of Premise Wiring |  | \                      | \           | 2                         | 2           | 電機機械/ Electric Machinery                           |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       | #多媒體介面實習/ Multimedia Interface Practice                 |  | \                      | \           | 2                         | 2           | #遊戲程式設計/ Game Program Design                       |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #硬體描述語言/ Hardware Description Language             |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 產業分析/ Analysis of Industry                         |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #智慧電子應用概論/ Intelligent Electronic Application      |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 應用電路學/ Applied Electric Circuits                   |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #電腦繪圖/ Computer Graphics                           |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #網頁設計/ Web Design                                  |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 機率與統計/ Probability and Statistics                  |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #感測器實習/ Sensor Practice                            |    | \                       | \                  | 3                      | 3           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 綠色能源導論/ Introduction to Green Energy               |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | #行動智能控制與實務/ Mobile Intelligent Control and Practic |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 人工智慧概論/ Introduction to Artificial Intelligence    |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 電路板設計概論/Introduction of Circuit Board Design       |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 計算機程式應用/Computer Programming for Applications      |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             | 網路多媒體設計/Network Multimedia Design                  |    | \                       | \                  | 2                      | 2           |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    |    |                         |                    |                        |             |                         |             |
|                                                      |                                       |                                                         |  |                        |             |                           |             |                                                    | </ |                         |                    |                        |             |                         |             |

備註：

1. 「#」電腦上機實習科目。「@」專業證照輔導課程。「◆」創新創意課程。「▲」產業實務導向共構課程。「★」職能專業課程。

2. 若本班人數或所開課程經第一階段選課後未達開班人數，學生得跨年級、跨系或跨院選修相關課程。

3. 當學期若開設計畫性課程，如就業學程課程等，系選修課程得以計畫性課程認列畢業選修學分數。

4. 學生選修外系課程將予承認為本系選修學分，全部總計不超過10學分(含本校所認可之外校課程、校選修科目)為原則。