

明志科技大學四技部 106學年度入學 工業設計系 課程總表

107.06.26校課程委員會審議通過

106.05.25院課程委員會審議通過

106.04.12系課程委員會審議通過

|                | 科 目<br>名 稱   | 一上 |     | 一下 |     | 二上 |    | 二下 |    | 三上 |    | 三下 |    | 四上 |    | 四下 |    | 每班人數 |    | 備註      |
|----------------|--|----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|---------|
|                |  | 學分 | 時數  | 學分 | 時數  | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 上限   | 下限 |         |
| 基礎課程<br>(20學分) | 國文(Chinese)  | 3  | 3   | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 英文(English)  | 3  | 3   | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 體育(Physical Education)                                 | 0  | 2   | 0  | 2   | 0  | 2  | 0  | 2  |    |    |    |    |    |    |    |    |      |    |         |
|                | 英語聽講(Aural-Oral English)                               |    |     |    |     | 1  | 2  | 1  | 2  |    |    |    |    |    |    |    |    |      |    |         |
|                | 歷史(History)  |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 憲政與發展(Constitution& Democratic Development)            |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 英文實務(一)(Practical English I)                           |    |     |    |     | 0  | 2  |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 英文實務(二)(Practical English II)                          |    |     |    |     |    |    | 0  | 2  |    |    |    |    |    |    |    |    |      |    |         |
|                | 英文實務(三)(Practical English III)                         |    |     |    |     |    |    |    |    |    |    |    |    | 0  | 2  |    |    |      |    |         |
|                | 英文實務(四)(Practical English IV)                          |    |     |    |     |    |    |    |    |    |    |    |    |    |    | 0  | 2  |      |    |         |
| 核心課程           | 全民國防教育軍事訓練(一)  | 0  | 2   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 全民國防教育軍事訓練(二)  |    |     | 0  | 2   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 合 計  | 6  | 10  | 9  | 13  | 4  | 9  | 1  | 6  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 2  |      |    |         |
|                | 大學之道(The Goal of University Education)                 | 1  | 2   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 設計思考 (Design Thinking)                                 | 1  | 1   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 勤勞教育   | 0  | 0.5 | 0  | 0.5 |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 工讀實務實習(一)(Co-oprative Education I)                     |    |     |    |     |    |    |    |    |    |    | 4  |    |    |    |    |    |      |    |         |
|                | 工讀實務實習(二)(Co-oprative Education II)                    |    |     |    |     |    |    |    |    |    |    | 4  |    |    |    |    |    |      |    |         |
|                | 工讀實務實習(三)(Co-oprative Education III)                   |    |     |    |     |    |    |    |    |    |    | 4  |    |    |    |    |    |      |    |         |
|                | 工讀實務實習(四)(Co-oprative Education IV)                    |    |     |    |     |    |    |    |    |    |    | 5  |    |    |    |    |    |      |    |         |
| 校共同必修          | 實習前職場素養訓練(Professionalism Prior to Practical Training) |    |     |    |     |    |    |    |    |    |    | 1  | 1  |    |    |    |    |      |    |         |
|                | 工讀自學英文(Self-Study English During Vocational Practice)  |    |     |    |     |    |    |    |    |    |    | 2  |    |    |    |    |    |      |    |         |
|                | 合 計  | 2  | 3.5 | 0  | 0.5 | 0  | 0  | 0  | 0  | 0  | 0  | 20 | 1  | 0  | 0  | 0  | 0  |      |    |         |
|                | 企業倫理   |    |     |    |     |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |         |
|                | 創意整合實作 (Practice for Creativity Integration)           |    |     |    |     |    |    |    |    | 1  | 3  |    |    |    |    |    |    |      |    |         |
|                | 合 計  | 0  | 0   | 0  | 0   | 0  | 0  | 0  | 0  | 4  | 6  | 0  | 0  | 0  | 0  | 0  | 0  |      |    |         |
|                | 工業設計概論(Introduction to Industrial Design)              | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 基本設計(Basic Design)                                     | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 模型製作(Model Making)                                     | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 電腦繪圖(Engineering Drawing)                              | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
| 院共同必修          | 表現技法(Presentation Techniques)                          | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 基本產品設計(Basic Product Design)                           |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 材料與加工(Materials & Processing)                          |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 電腦輔助工業設計(Computer Aided Industrial Design)             |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 產品設計(一)(二)(三)(Product Design(I)(II)(III))              |    |     |    |     | 3  | 6  | 3  | 6  | 3  | 6  |    |    |    |    |    |    |      |    |         |
|                | 設計應用英文(一)(二)(三)(Applied English in Design(I)(II)(III)) |    |     |    |     | 1  | 1  | 1  | 1  | 1  | 1  |    |    |    |    |    |    |      |    |         |
|                | 設計方法(Design Methods)                                   |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 人因工程(Human Factors Engineering)                        |    |     |    |     |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |         |
|                | 專業實務講座(Professional Topics Seminar)                    |    |     |    |     |    |    |    |    |    |    |    |    | 1  | 3  |    |    |      |    |         |
|                | 專題設計(一)(二)(三)(Thesis Project(I)(II))                   |    |     |    |     |    |    |    |    |    |    |    |    | 6  | 12 | 6  | 12 |      |    |         |
| 院學程選           | 合 計  | 15 | 15  | 9  | 9   | 7  | 10 | 7  | 10 | 4  | 7  | 0  | 0  | 7  | 15 | 6  | 12 |      |    |         |
|                | 創意整合(一)(Creativity Integration ( I ))                  |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    | 60   |    |         |
|                | 創意整合(二)(Creativity Integration ( II ))                 |    |     |    |     |    |    | 3  | 3  |    |    |    |    |    |    |    |    | 60   |    |         |
|                | 創意整合(三)(Creativity Integration ( III ))                |    |     |    |     |    |    |    |    |    |    |    |    | 3  | 3  |    |    | 60   |    |         |
|                | 應用色彩學(Applied Color Theory)                            | 3  | 3   |    |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 進階電腦繪圖(Advanced Engineering Drawing)                   |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 造形設計(Style of Design)                                  |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 進階表現技法(Advanced Presentation Techniques)               |    |     | 3  | 3   |    |    |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 3D數位成形(3D Digital Prototyping)                         |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 進階電腦輔助工業設計(Advanced Computer Aided Industrial Design)  |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |         |
| 專業選修           | 交通工具設計(Transportation Design)                          |    |     |    |     | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |         |
|                | 進階交通工具設計(Advanced Transportation Design)               |    |     |    |     |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |         |
|                | 福祉設計(Inclusive Design)                                 |    |     |    |     |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |         |
|                | 設計心理學(Design Psychology)                               |    |     |    |     |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |         |
|                | 醫療照護產品設計(Medical Product Design)                       |    |     |    |     |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |         |
|                | 傢俱設計(Furniture Design)                                 |    |     |    |     |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |         |
|                | 互動設計(Interactive Design)                               |    |     |    |     |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |         |
|                | 塑膠成型品設計(Plastic Product Design)                        |    |     |    |     |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |         |
|                | 設計競賽實務(Design competition practice)                    |    |     |    |     |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    |         |
|                | 陶瓷設計(Ceramics)   |    |     |    |     |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |         |
| 遠距             | 創新設計(Creative Innovation)                              |    |     |    |     |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |         |
|                | 產品設計(四)(Product Design(IV))                            |    |     |    |     |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    | 不開放外系選修 |
| 合 計            |  | 3  | 3   | 9  | 9   | 12 | 12 | 12 | 12 | 12 | 12 | 6  | 6  | 6  | 6  | 3  | 3  |      |    |         |

- 畢業最少應修 148 學分。
- 每學期選課上限為 27 學分，大一、大二選課下限為 16 學分，大三、大四選課下限為9學分。

- 三下開設之創新設計、產品設計(四)課程係以遠距教學方式進行。

- 學生修畢第二專長學程時，最低畢業學分調整為共同必修 22 學分(含基礎課程及核心課程)，通識選修至少 8 學分(五類型，任選四類各 2 學分)，院共同必修4學分，專業必修共55學分，專業選修至少修 24學分(開設48)學分，工讀期間必修20學分，一般選修(可選通識、專業、或跨系課程)至多15學分。

- 三下必修「工讀實務實習(一)-(四)」、「工讀自學英語」及「實習前職場素養訓練」，共 20學分。
- 三上課程採取濃縮方式（原一週授課時數三小時的課程變更為一週授課四小時）授課。

- 共同必修 22 學分(含基礎課程及核心課程)，通識選修至少 8 學分(五類型，任選四類各 2 學分)，院共同必修4學分，專業必修共55學分，專業選修至少修 20學分(開設48)學分，工讀期間必修20學分，一般選修(可選通識、專業、或跨系課程)至少10學分。

- 「設計應用英文(一)-(三)」課程，如已考取TOEIC英文檢定450分以上成績，可免修習。