

# 工業工程與管理學系

## Department of Industrial Engineering and Management

115 學年度 (Academic Year 2026)

| 科目名稱<br>Course Name                                                | 規定<br>學分<br>Credit | 第一學年<br>Grade 1 |       | 第二學年<br>Grade 2 |       | 第三學年<br>Grade 3 |       | 第四學年<br>Grade 4 |       | 備註<br>Note                      |
|--------------------------------------------------------------------|--------------------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|---------------------------------|
|                                                                    |                    | 上 1st           | 下 2nd | 上 1st           | 下 2nd | 上 1st           | 下 2nd | 上 1st           | 下 2nd |                                 |
| 微積分(一)(二)<br>Calculus (I)(II)                                      | 6                  | 3               | 3     |                 |       |                 |       |                 |       |                                 |
| 計算機概論與程式設計<br>Introduction to Computers and Programming            | 3                  | 3               |       |                 |       |                 |       |                 |       |                                 |
| 經濟學(一)(二)<br>Economics (I)(II)                                     | 6                  | 3               | 3     |                 |       |                 |       |                 |       |                                 |
| 會計學(一)(二)<br>Accounting (I)(II)                                    | 6                  | 3               | 3     |                 |       |                 |       |                 |       |                                 |
| 工業工程與管理概論<br>Introduction to Industrial Engineering and Management | 3                  | 3               |       |                 |       |                 |       |                 |       |                                 |
| 線性代數<br>Linear Algebra                                             | 3                  |                 | 3     |                 |       |                 |       |                 |       |                                 |
| 數據分析與決策<br>Data Analytics and Decision Making                      | 3                  |                 |       | 3               |       |                 |       |                 |       |                                 |
| 管理學<br>Management                                                  | 3                  |                 |       |                 | 3     |                 |       |                 |       |                                 |
| 統計學(一)(二)<br>Statistics (I)(II)                                    | 6                  |                 |       | 3               | 3     |                 |       |                 |       |                                 |
| 工程圖學<br>Engineering Graphics                                       | 1                  |                 |       | 1               |       |                 |       |                 |       |                                 |
| 工作研究<br>Work Study                                                 | 3                  |                 |       |                 | 3     |                 |       |                 |       |                                 |
| 作業研究(一)(二)<br>Operations Research (I)(II)                          | 6                  |                 |       | 3               | 3     |                 |       |                 |       |                                 |
| 生產與作業管理<br>Production and Operations Management                    | 3                  |                 |       |                 |       | 3               |       |                 |       | 院基礎課程<br>Core Course of College |
| 品質管理<br>Quality Management                                         | 3                  |                 |       |                 |       | 3               |       |                 |       |                                 |
| 人因工程<br>Human Factors Engineering                                  | 3                  |                 |       |                 |       | 3               |       |                 |       |                                 |
| 設施規劃<br>Facility Planning                                          | 3                  |                 |       |                 |       | 3               |       |                 |       |                                 |
| 工程經濟<br>Engineering Economics                                      | 3                  |                 |       |                 |       |                 | 3     |                 |       |                                 |
| 模擬學<br>Simulation                                                  | 3                  |                 |       |                 |       |                 | 3     |                 |       |                                 |
| 資料庫管理<br>Database Management                                       | 3                  |                 |       |                 |       |                 | 3     |                 |       | 院基礎課程                           |

|                                                                    |    |    |    |    |    |    |   |   |   |                                                                              |
|--------------------------------------------------------------------|----|----|----|----|----|----|---|---|---|------------------------------------------------------------------------------|
|                                                                    |    |    |    |    |    |    |   |   |   | Core Course of College                                                       |
| 工業工程與管理實務<br>Industrial Practice                                   | 2  |    |    |    |    |    |   | 2 |   |                                                                              |
| 行銷學<br>Principles of Marketing                                     | 3  |    |    |    | 3  |    |   |   |   | 五門任選一門<br>At least 1 from the 5 courses<br>(院基礎課程<br>Core Course of College) |
| 人力資源管理<br>Human Resource Management                                | 3  |    |    |    |    |    | 3 |   |   |                                                                              |
| 財務管理<br>Financial Management                                       | 3  |    |    | 3  |    |    |   |   |   |                                                                              |
| 管理資訊系統<br>Management Information System                            | 3  |    |    |    |    | 3  |   |   |   |                                                                              |
| 物流運籌管理<br>Logistics Management                                     | 3  |    |    |    | 3  |    |   |   |   |                                                                              |
| 合計 Total                                                           | 75 | 15 | 12 | 10 | 12 | 12 | 9 | 2 | 0 | 3                                                                            |
| 本系最低畢業學分為 128 學分<br>Required credits for graduation is 128 credits |    |    |    |    |    |    |   |   |   |                                                                              |

工業工程與管理學系輔系科目表  
 Department of Industrial Engineering and Management  
 Minor Program

115 學年度 (Academic Year 2026)

| 科目名稱<br>Course Name                                                 | 學分數<br>Credit | 科目名稱<br>Course Name                             | 學分數<br>Credit | 備註<br>Note                    |
|---------------------------------------------------------------------|---------------|-------------------------------------------------|---------------|-------------------------------|
| 統計學(一)(二)<br>Statistics (I)(II)                                     | 6             | 作業研究(一)(二)<br>Operations Research (I)(II)       | 6             | 至少選六學分<br>At least 6 Credits  |
| 工作研究<br>Work Study                                                  | 3             | 生產與作業管理<br>Production and Operations Management | 3             | 任選十五學分<br>At least 15 Credits |
| 人因工程<br>Human Factors Engineering                                   | 3             | 製造程序<br>Manufacturing Processes                 | 3             |                               |
| 工程經濟<br>Engineering Economics                                       | 3             | 品質管理<br>Quality Management                      | 3             |                               |
| 設施規劃<br>Facility Planning                                           | 3             |                                                 |               |                               |
| 輔系最低應修學分為 21 學分<br>Required credits for minor program is 21 credits |               |                                                 |               |                               |