**人因工程與設計學程(微學程)**

**Human Factors and Design Program**

**107學年度入學新生適用**

**for Admission in Academic Year 2018: Fall 2018 & Spring 2019**

108.01.02 一○七學年度第四次教務會議修訂通過

Amended by the 4th Academic Affairs Meeting, Academic Year 2018, on January 02, 2019

**必修課程：共6學分 Required：Total 6 credits**

|  |  |  |  |
| --- | --- | --- | --- |
| 課號  course code | 課程名稱course name | 開課學系  Department | 學分credits |
| IE220 | 人因工程（一）  Human Factors(I) | 工管IEM | 3 |
| IE243 | 產品設計思維  Product Design | 工管IEM | 3 |

**選修課程：至少選一門課 Elective: At least 1 course**

|  |  |  |  |
| --- | --- | --- | --- |
| 課號 | 課程名稱 | 開課學系 | 學分 |
| IE122 | 基礎物聯網應用與實作  Fundamental Applications and Practices of Internet of Things | 工管IEM | 3 |
| IE237 | 統計建模與電腦化實作  Statistical Modeling and Computerized Implementations | 工管IEM | 3 |
| IE245 | 服務工程Service Engineering | 工管IEM | 3 |
| IE304 | 應用統計分析Applied Statistical Analysis | 工管IEM | 3 |
| IE351 | 3D互動數位內容製作  Implementation of 3D Interactive Digital Content | 工管IEM | 3 |
| IE356 | 行動應用程式設計與開發  Design and Development of Mobile Application | 工管IEM | 3 |
| IE375 | 專案管理Project Management | 工管IEM | 3 |
| AD269 | 電腦輔助設計與製造  Computer-aided Design and Manufacture | 藝設系AD | 3 |
| ME388  AD313 | 藝術與設計創作（一）Art & Design Studio(I) | 藝設系AD | 3 |
| AD314 | 藝術與設計創作（二）Art & Design Studio(II) | 藝設系AD | 3 |
| AD446 | 互動科技裝置：實務與應用  Interactive Media Installation : Practice & Application | 藝設系AD | 3 |
| EE479 | 人機互動概論  Human-Computer Interaction | 電機系EE | 3 |
| EE492 | 工程應用生理學  Bioengineering Physiology | 電機系EE | 3 |

學程證書授與標準：

凡修畢6學分的必修課程及至少一門選修課程，共9學分，經學程負責單位審查無誤後，由工學院授與「人因工程與設計學程(微學程)」學程證明書。

Program Certificate standard of issue: must complete 6 credits of required courses and at least 1 elective courses (total of 9 credits); once approved by the authorized department, College of Engineering will issue “Human factors and design program” Program Certificate.