

Chang Jung Christian University Master Degree Program in Information and Design Curriculum List

(Curriculum Guides, 2019 Academic Year)

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| obligatory / elective course | No. | course name(ch) | course name | grade | semester | credit | hours/week | | Remark |
|------------------------------|---------|-----------------|--|-------|----------|--------|-------------|----------|--------|
| | | | | | | | instruction | parctice | |
| dep. course-obligatory | IF00000 | 書報討論 I | Seminar I | 1 | 1 | 1 | 2 | 0 | |
| | IF00004 | 校園學術倫理數位課程 | Academic Ethics | 1 | 1 | 0 | 0 | 2 | |
| | IF00060 | 研究方法與專業寫作 | Research Methods and Professional Writing | 1 | 1 | 2 | 2 | 0 | |
| | IF00001 | 書報討論 II | Seminar II | 1 | 2 | 1 | 2 | 0 | |
| | IF00002 | 書報討論 III | Seminar III | 2 | 1 | 1 | 2 | 0 | |
| | IF00003 | 書報討論 IV | Seminar IV | 2 | 2 | 1 | 2 | 0 | |
| dep. course-elective | IF00005 | 進階資料庫系統 | Advanced Database System | 1 | 1 | 3 | 3 | 0 | |
| | IF00061 | 進階資料視覺化 | Advanced Data Visualization | 1 | 1 | 3 | 3 | 0 | |
| | IF00008 | 多目標決策 | Multiple Objective Decision Marking | 1 | 1 | 3 | 3 | 0 | |
| | IF00009 | 進階機器學習 | Advanced Machine Learning | 1 | 1 | 3 | 3 | 0 | |
| | IF00062 | 資訊安全實務 | | 1 | 1 | 3 | 3 | 0 | |
| | IF00063 | 數位影像壓縮 | Digital Image Compression | 1 | 1 | 3 | 3 | 0 | |
| | IF00016 | 遊戲引擎與特效 | Game Engine and Effects | 1 | 1 | 3 | 3 | 0 | |
| | IF00064 | 設計專案規劃與管理 | Design Project Planning and Management | 1 | 1 | 3 | 3 | 0 | |
| | IF00065 | 創意與藝術心理學 | Psychology of Art and Creativity | 1 | 1 | 3 | 3 | 0 | |
| | IF00066 | 數位製造研究 | | 1 | 1 | 3 | 3 | 0 | |
| | IF00013 | 數位設計思考 | | 1 | 1 | 3 | 3 | 0 | |
| | IF00053 | 數位化產品設計策略研究 | Strategy Study in Digital Product Design | 1 | 1 | 3 | 3 | 0 | |
| | IF00067 | 視覺設計研究 | Studies in Visual | 1 | 1 | 3 | 3 | 0 | |
| | IF00010 | 無人機飛控設計 | Design of the UAV flight control | 1 | 1 | 3 | 3 | 0 | |
| | IF00049 | 自主飛行系統設計 | | 1 | 1 | 3 | 3 | 0 | |
| | IF00059 | 智慧存取設備 | SMART Access and Equipment | 1 | 1 | 3 | 3 | 0 | |
| | IF00024 | 進階訊號處理 | | 1 | 2 | 3 | 3 | 0 | |
| | IF00068 | 類神經網路專題 | Seminar on Neural Networks | 1 | 2 | 3 | 3 | 0 | |
| | IF00033 | 行動計算 | Mobile Computing | 1 | 2 | 3 | 3 | 0 | |
| | IF00069 | 巨量資料分析與實務 | Big Data Analysis and Practices | 1 | 2 | 3 | 3 | 0 | |
| | IF00070 | 特效與物件追蹤 | Visual Effects and Object Tracking | 1 | 2 | 3 | 3 | 0 | |
| | IF00057 | 數量化決策理論與應用 | Quantitative Decision Theory and Application | 1 | 2 | 3 | 3 | 0 | |
| | IF00071 | 互動裝置 | Advanced Interactive Device | 1 | 2 | 3 | 3 | 0 | |

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| dep. course-elective | IF00078 | 設計資訊視覺化理論 | Data Visualization and Infographics | 1 | 2 | 3 | 3 | 0 | |
| | IF00072 | 數位藝術 | Digital art | 1 | 2 | 3 | 3 | 0 | |
| | IF00050 | 視覺控制飛行系統設計 | Visual Control Flight System Design | 1 | 2 | 3 | 3 | 0 | |
| | IF00030 | 無人機設計與分析 | UAV design and analysis | 1 | 2 | 3 | 3 | 0 | |
| | IF00058 | 行動應用開發 | Development of Mobile Applications | 1 | 2 | 3 | 3 | 0 | |
| | IF00079 | 使用者介面與體驗專題 | | 1 | 2 | 3 | 3 | 0 | |
| | IF00040 | 進階專案管理 | | 2 | 1 | 3 | 3 | 0 | |
| | IF00073 | 人工智慧應用與實務 | Applications of Artificial Intelligence in Practice | 2 | 1 | 3 | 3 | 0 | |
| | IF00074 | 企業資源規劃專題 | | 2 | 1 | 3 | 3 | 0 | |
| | IF00075 | 雲端運算實務 | | 2 | 1 | 3 | 3 | 0 | |
| | IF00015 | 互動體驗實務 | Practice of Interactive Experiencing | 2 | 1 | 3 | 3 | 0 | |
| | IF00054 | 遊戲設計專題 | Game Design Project | 2 | 1 | 3 | 3 | 0 | |
| | IF00076 | 數位互動專題 | Digital Interaction Project | 2 | 1 | 3 | 3 | 0 | |
| | IF00042 | 航空與飛行原理 | Aviation and Principle of Flight | 2 | 1 | 3 | 3 | 0 | |
| | IF00077 | 高等無人機應用 | | 2 | 1 | 3 | 3 | 0 | |
| obligatory 12 elective course 24 credit sum 36 | | | | | | | | | |