

## 數位科技設計學系玩具與遊戲設計碩士在職專班112學年度課程架構

| 選 修 課 程：32學分  |   |    |    |      |     |
|---------------|---|----|----|------|-----|
| 科目中文名稱        | 科目英文名稱  | 學分 | 時數 | 授課年級 | 備 註 |
| 未來學           | Futurology  | 2  | 2  | 1上   |     |
| 兒童遊戲理論與實務     | Child's Play: Theory and Practice                       | 2  | 2  | 1上   |     |
| 物聯網應用專題研究     | Independent Studies in Internet of Things Applications  | 2  | 2  | 1上   |     |
| 高等人機介面專題研究    | Independent Studies in Advanced Human-Machine Interface | 2  | 2  | 1上   |     |
| 創意思考專題研究      | Independent Studies in Thinking Creating                | 2  | 2  | 1上   |     |
| 進階設計專題        | Special Topic in Advanced Design                        | 2  | 2  | 1上   |     |
| 人工智慧案例討論      | Case Study in Artificial Intelligence                   | 2  | 2  | 1上   |     |
| 遊戲企畫研究        | Research in Game Design                                 | 2  | 2  | 1上   |     |
| 遊戲設計專題        | Special Topic in Game Design                            | 2  | 2  | 1上   |     |
| 電腦輔助產品設計      | Computer-Aided Product Design                           | 2  | 2  | 1上   |     |
| Python程式設計與應用 | Python Programming and Applications                     | 2  | 2  | 1上   |     |
| 設計美學          | Design Aesthetics                                       | 2  | 2  | 1上   |     |
| 大數據分析案例討論     | Case Study in Big Data Analytics                        | 2  | 2  | 1下   |     |
| 研究方法          | Research Methods  | 2  | 2  | 1下   |     |
| 娛樂產品產業概論      | Introduction to Edutainment Industry                    | 2  | 2  | 1下   |     |
| 悅趣化學習專題       | Special Topic in Digital Game-Based Learning            | 2  | 2  | 1下   |     |
| 高等科技輔具設計專題    | Special Topic in Advanced Assistive Technology Design   | 2  | 2  | 1下   |     |
| 產品設計發展趨勢      | Tendency of Production Design                           | 2  | 2  | 1下   |     |
| 創新科技設計專題研究    | Independent Studies in Creating Technology Design       | 2  | 2  | 1下   |     |
| 遊戲化專題研究       | Independent Studies in Gamification                     | 2  | 2  | 1下   |     |
| 電子玩具設計與開發     | Design and Development of Electronic Toys               | 2  | 2  | 1下   |     |
| 數位遊戲故事發展研究    | Research in Digital Game Story Development              | 2  | 2  | 1下   |     |
| 數位遊戲設計研究      | Research in Digital Game Design                         | 2  | 2  | 1下   |     |
| 數位遊戲產業概論      | Introduction to Digital Game Industry                   | 2  | 2  | 1下   |     |
| 創意與文化專題       | Creative and Cultural Project                           | 2  | 2  | 1下   |     |

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|-------------|--|----|----|------|-----------|
| 醫聯網應用專題研究   | Independent Studies in medical networking applications | 2  | 2  | 1下   |           |
| 互動前端工程開發    | Interactive Front-End Engineering Developments         | 2  | 2  | 2上   |           |
| 深度學習應用與研究   | Deep Learning Applications                             | 2  | 2  | 2上   |           |
| 知識管理專題研究    | Independent Studies in Knowledge Management            | 2  | 2  | 2上   |           |
| 科技藝術設計專題    | Special Topic in Techno Art Design                     | 2  | 2  | 2上   |           |
| 專題討論        | Seminar  | 2  | 2  | 2上   |           |
| 教育性產品開發研究   | Research in Educational Product Development            | 2  | 2  | 2上   |           |
| 產品創新設計策略與計畫 | Project and Strategy in Production Innovation Design   | 2  | 2  | 2上   |           |
| 游藝學         | Edutainment - the Art of Play                          | 2  | 2  | 2上   |           |
| 論文導讀        | Introduction to Literature Survey and Commentary       | 2  | 2  | 2上   |           |
| 藝術與設計應用專題   | Application of Arts and Design                         | 2  | 2  | 2上   |           |
| 互動多媒體設計專題   | Special Topic in Interactive Multimedia Design         | 2  | 2  | 2下   |           |
| 娛樂空間設計專題    | Special Topic in Entertainment Space Design            | 2  | 2  | 2下   |           |
| 海外探訪與發表     | Overseas' Visiting and Study                           | 2  | 2  | 2下   |           |
| 產品設計個案研究    | Product Design: Case Studies                           | 2  | 2  | 2下   |           |
| 產品行銷與市場規劃   | Product Marketing Plan                                 | 2  | 2  | 2下   |           |
| 智慧財產專題研究    | Independent Studies in Inventions and Patents          | 2  | 2  | 2下   |           |
| 當代設計思潮      | Contemporary Design Thinking                           | 2  | 2  | 2下   |           |
| 所內、所際及校際課程  |  | 9  |    |      | 依本校相關法規辦理 |