

# 研究所課程

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| <b>密碼學</b><br>Cryptography   | <b>機器學習與大數據分析技術</b><br>Machine Learning and Big Data Analytics                       | <b>多變量分析</b><br>Multivariate Statistical Analysis                               |
| <b>高速網路</b><br>Gigabit Networking  | <b>人工智慧技術與商業應用</b><br>Artificial Intelligence Technologies and Business Applications | <b>高等演算法</b><br>Advanced Algorithms   |
| <b>人工智慧與深度學習</b><br>Artificial Intelligence and Deep Learning                            | <b>網路流量模式與應用</b><br>Network Flow Models and Applications                             | <b>研究方法</b><br>Research Methods   |
| <b>大型主機作業系統基礎與實務</b><br>Fundamental and Practice on Mainframe Operating System           | <b>資料探勘與知識開發</b><br>Data Mining and Knowledge Discovery                              | <b>安全協定開發與設計</b><br>Development and Design of Security Protocols                |
| <b>高等網路服務技術</b><br>Advanced Technologies on Web Services                                 | <b>多媒體專題研究</b><br>Special Topics on Multimedia                                       | <b>資料探勘</b><br>Data Mining  |
| <b>先進資安專題</b><br>Advanced Topics on Information Security                                 | <b>可證明安全導論</b><br>An Introduction to Theory of Provable Security                     | <b>資訊管理進階專業成長校外實習</b><br>Internship in Advanced Information Management Practice |
| <b>多媒體系統</b><br>Multimedia Information Systems   | <b>電子化企業</b><br>Electronic Business  | <b>分散式計算</b><br>Distributed Computing   |
| <b>數量方法—統計方法與資料分析</b><br>Statistics and Data Analysis                                    | <b>網路服務資訊安全</b><br>Information Security for Web Services                             | <b>行動計算</b><br>Mobile Computing   |
| <b>資訊科技與應用服務專題研究</b><br>Special Topics on Information Technology and Application Service | <b>資安科技與管理專題研究</b><br>Special Topics in Cybersecurity Technology and Management      |   |

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| <b>科技研究與論文寫作</b><br>Technology Research and Thesis Writing                             | <b>創新與企業家精神</b><br>Innovation and Entrepreneurship                 | <b>資訊科技與組織行為理論</b><br>Information Technology and Organizational Behaviors        |
| <b>資訊系統與管理</b><br>Information Systems & Management                                     | <b>電子商務</b><br>Electronic Commerce                                 | <b>資訊管理專題研討</b><br>Seminar on Information Management                             |
| <b>教學實務</b><br>Teaching Practicum  | <b>創業管理理論與實務</b><br>Practice and Theory of Entrepreneurship        | <b>遊戲化科普教育導論</b><br>Gamification and S.T.E.M. Education                          |
| <b>策略性資訊系統規畫</b><br>Strategic Information Systems Planning                             | <b>個案研究</b><br>Case Study Research                                 | <b>新興資訊科技與商業創新</b><br>Emerging Information Technologies and Business Innovations |
| <b>物聯網應用資訊安全與風險管理</b><br>Information Security and Risk Management for IoT Applications | <b>智能營運</b><br>Intelligent Operation                               | <b>科普教育應用與實務</b><br>S.T.E.M. Education Practice                                  |
| <b>策略知識管理</b><br>Strategic Knowledge Management  | <b>領導與溝通</b><br>Leadership and Communication                       | <b>管理理論與實務</b><br>Management Theory and Practice                                 |
| <b>數位金融創新服務</b><br>Financial Technology Innovation and Service                         | <b>資訊科技管理</b><br>Management of Information Technology              | <b>科技與法律</b><br>Technology & Law   |
| <b>電子商務與數位行銷</b><br>E-Commerce and Digital Marketing                                   | <b>服務導向企業系統管理</b><br>Service-Oriented Enterprise System Management | <b>隨處科技平台經濟</b><br>Platform Economics with Ubiquitous Technology                 |
| <b>專案管理</b><br>Project Management  | <b>科技與創新管理</b><br>Technology and Innovation Management             | <b>軟體工程與管理</b><br>Software Engineering and Management                            |
| <b>智能營運與數位管理專題研究</b><br>Special Topics in Intelligent Operation and Digital Management |  |  |