

明新科技大學 109學年第1學期教學大綱

Minghsin University of Science and Technology

【四技四年級選修】

科目名稱	Course Title
網頁資料庫	Web Database
教學目標	Course Objective
設計在網頁中能操作即時互動資料庫，如：網路購物、線上考試等。	On-Line and Real time For The Data Base In Web Page.

科目名稱	Course Title
巨量資料分析與應用	Big Data Analysis and Application
教學目標	Course Objective
介紹資料倉儲的基本概念, 並以 Excel 工具實際操作如何對大量資料進行商業智慧分析	Introduce the basic concept of data warehouse and how to analyze business intelligence from big data using Excel.

科目名稱	Course Title
財務管理	Financial Management
教學目標	Course Objective
培養學生了解基本財務觀念並提供一般實務常識。	To help students to understand the basic concept of financial management and provide general knowledge in practice.

科目名稱	Course Title
電子化企業經營與管理	Electronic Business Operation and Management
教學目標	Course Objective
學習電子化企業經營與管理之議題及相關知識。	Learning E-Business operation and management issues and related knowledge.

科目名稱	Course Title
網路安全實務(資工開課、資管選課)	Practice of Network Security
教學目標	Course Objective

<ol style="list-style-type: none"> 1. 介紹網路安全觀念 2. 學習網路安全技術 3. 探討駭客攻擊手法 4. 建構安全防禦體系 5. 攻擊/防禦實務演練 	<ol style="list-style-type: none"> 1. Concepts of network security. 2. Learning of security technologies. 3. Research of hacking techniques. 4. Construct of defense frameworks. 5. Training on attack and defense practices.
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科目名稱	Course Title
電子商務安全(資管開課、資工選課)	Electronic Commerce Security
教學目標	Course Objective
<p>安全是目前電子商務發展上最令消費者關切的議題。本課程希望讓學生以資訊管理的角度來了解電子商務的可能威脅與安全需求，並應用密碼學等相關工具來設計解決方案，以保護安全，促進電子商務的發展。</p>	<p>Security has become the most concerned issue by customers in electronic commerce. The course is designed to let students explore and research the security threats and requirements of online transactions. Applying cryptographic technologies to secure online transaction. Electronic commerce can thus be encouraged.</p>

【四技三年級選修】

科目名稱	Course Title
立體動畫設計	Design of 3D Animation
教學目標	Course Objective
<ol style="list-style-type: none"> 1. 瞭解3D 電腦繪圖的原理與實作 2. 瞭解3D 電腦動畫的原理與實作 3. 瞭解3D 電腦繪圖的應用與發展趨勢 	<ol style="list-style-type: none"> 1. To understand elemental 3D computer graphic and its implementation. 2. To understand elemental 3D computer animation and its implementation. 3. To understand the application of 3D computer graphic and the trend of 3D computer graphic

網路互連技術	Inter-networking
教學目標	Course Objective
<p>本課程之教學目標，即設定在引導學生聚焦其學習在此網路核心技術的相關協定、技術與架構等方面，並考量一個學期能透徹講解的份量，以 OSI 七層通訊協定架構的角度來講，切入點將會是網路層的路由技術。並透過 Cisco Packet Tracer 網路模擬軟體及 Cisco Labs 實機操作練習，化理論為實際，培養同學互連技術之實機設定技能。</p>	<p>For this reason and considering a thorough investigation on this subject over one semester, this curriculum will focus on network routing technologies. Specifically, we will focus on the routing protocols and routing techniques of the network layer. Meanwhile,</p>

students can learn how to use Cisco Packet Tracer and configure real Cisco routers and switches.

科目名稱	Course Title
資訊安全(資安)	Introduction to Information Security
教學目標	Course Objective
1. 以資訊安全的角度出發，建立資訊安全的基本知識 2. 從資訊安全必備基礎開始學習，延伸至資訊安全於現今之應用 3. 介紹加密機制，系統授權與金鑰管理等	1. Establishment of information security basic knowledges and necessarily concepts 2. Learning about information security applications 3. Learning about encryption/decryption technologies, authentication and key management

科目名稱	Course Title
資料庫實務	Practice Database Management System
教學目標	Course Objective
1. 認識資料庫管理系統之運作架構及管理機制. 2. 學習 Transact-sql 與用戶端程式開發 3. 完成一個資料庫系統開發	1. Understanding the concept of database management system. 2. Obtaining the skills of Transact-sql and client programming. 3. Building a database management system.

科目名稱	Course Title
APP 程式設計實務	APP Programming Practice
教學目標	Course Objective
使學生了解手機程式設計語法 並能夠熟悉手機程式設計開發方法	Enable students to understand the app programming syntax and to be familiar with app programming skill

科目名稱	Course Title
共通核心職能課程	General Core Curriculum of Competence
教學目標	Course Objective

<p>強化學生必備的三大核心職能，包括：動機職能、行為職能與知識職能，以增加學生的職場競爭力；同時讓同學對資管畢業生的市場有更深入的了解，並增強同學履歷表的撰寫能力。</p>	<p>This course help students to be familiar with the three core competencies: driving competencies (DC), behavior competencies (BC), and knowledge competencies (KC). After this course, students can enhance their employment competitiveness. This course also introduces the current employment market and enhances their skill of resume writing.</p>
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科目名稱	Course Title
智慧控制應用	Intelligent Control Application
教學目標	Course Objective
<ol style="list-style-type: none"> 1. 瞭解智慧控制的概念與應用。 2. 透過無人搬運車熟悉智慧控制技術與方法。 3. 學習無人搬運車的移動控制方法。 4. 學習無人搬運車的感測與無線通訊技術。 4. 實作以企業問題導向的專題。 	<ol style="list-style-type: none"> 1. Realizing the concept and application of intelligent control. 2. Realizing the technologies and methods of intelligent control using autonomous mobile robots. 3. Learning the moving control method of autonomous mobile robots. 4. Learning the sensing and wireless communication technologies of autonomous mobile robots. 5. Implementing the problem-based learning (PBL) project.

【四技二年級選修】

科目名稱	Course Title
網頁程式設計	Web Programming
教學目標	Course Objective
使用 ASP.Net 與 C# 製作網頁程式	Web Programming using ASP.Net and C#

科目名稱	Course Title
多媒體動畫設計	Multimedia Animation Design
教學目標	Course Objective
<ol style="list-style-type: none"> 1. 瞭解3D 電腦繪圖的原理與實作 2. 瞭解3D 電腦繪圖的應用與發展趨勢 	<ol style="list-style-type: none"> 1. To understand elemental 3D computer graphic and its implementation. 2. To understand the application of 3D

computer graphic and the trend of 3D
computer graphic

科目名稱	Course Title
應用會計學	Applied Accounting
教學目標	Course Objective
1. 會計學基本原理之介紹與演練。 2. IFRS 後財務報告重要觀念之引導學習，理論結合實務。 3. 習題練習參考國家考試題目，以利日後參加證照考試或公務人員考試之需。	1. Introduce the basic concepts of Accounting principles and practice a lot from homeworks. 2. Based on new IFRS, learn how to prepare the financial reports. 3. Prepare for the tests of certificates.