

# 明新科技大學 105學年第2學期教學大綱

Minghsin University of Science and Technology

## 【夜四技一年級選修】

科目名稱	Course Title
創意影像處理	Creative Image Processing
教學目標	Course Objective
1. 瞭解影像處理的基本原理與實作 2. 瞭解影像處理常用的技巧 3. 熟悉影像處理軟體的操作	1. Understanding of the basic principles of image processing and implementation 2. Understanding of skills commonly used in image processing 3. Familiar with the operation of the image processing software

科目名稱	Course Title
進階商用套裝軟體	Advanced Commercial Package Software
教學目標	Course Objective
1. 進階學習 Microsoft Office：Word、Excel、PowerPoint 功能，並且實機練習。 2. 達到參加認證考試的能力	1. Advanced Learning and Practice Microsoft Office Software Including：Word, Excel and PowerPoint. 2. Certification Oriented

## 【夜四技二年級選修】

科目名稱	Course Title
資料結構	Data structure
教學目標	Course Objective
學習抽象資料型態與評估程式的效率，並對各種常用的資料結構，例如陣列、串列、鏈結串列、堆疊、佇列、樹狀結構、搜尋等進行有系統的介紹。	To learn abstract data type and evaluate the efficiency of programs. Then we introduce some useful data structure, such as Array、Linked list、Stack、Queue、Tree、Search, etc。

科目名稱	Course Title
電腦網路	Computer Network
教學目標	Course Objective

(1)瞭解 OSI Model 及 TCP/IP 協定 (2)瞭解區域網路協定及廣域網路協定 (3)無線網路協定與寬頻網路的學習 (4)實作網路傳輸協定及相關軟體操作 (5)網路安全探討	This course examines the concepts of business data communications which include: 1. Understand ISO/OSI Model and TCP/IP Protocol 2. Understand the protocols of LAN and WAN 3. Learn the knowledge of WLAN and Wideband Network 4. Implement simple socket program and NMS manipulation 5. Network security introduction
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### 【夜四技三年級選修】

科目名稱	Course Title
人力資源管理	Human Resource Management
教學目標	Course Objective
1. 瞭解人力資源管理之理論及技能 2. 熟悉多元化組織內人力資源管理之 3. 培養人力資源管理之興趣	1. Uderstand the theory ad skill of HRM 2. Know the practice of HRM in a diversified organization 3. Cultivate the interest of HRM

科目名稱	Course Title
商程式設計	Business Program Design
教學目標	Course Objective
1. 以 SQL 為程式語言，學習如何建立資料庫與相關網頁程式設計 2. 學習商用分析軟體	1. To learn and develop Web-based database application with SQL. 2. To learn programming and softlanguage and software for commercial data processing.

科目名稱	Course Title
無線電腦網路	Wireless Computer Network
教學目標	Course Objective
1. 介紹無線網路的基本概念 2. 介紹無線感測網路 3. ZigBee/IEEE 802.15.4介紹 4. 無線網路相關議題	1. Introduce the basic concepts of wireless networks 2. Introduce wireless sensor networks (WSNs) 3. Introduce ZigBee/IEEE 802.15.4 standard 4. Introduce related works about WSNs

科目名稱	Course Title
物件導向系統分析	Object-Oriented System Analysis
教學目標	Course Objective
著重在物件導向分析與設計過程中各種模型的建立，強調以 UML 圖形設計為主軸的系統分析方法，並培養具有物件導向分析與設計的基本能力。	With the ability to establish various UML models and understand the methods to associate theories and practice for the application of different phases of object-oriented analysis and design.

科目名稱	Course Title
資料庫管理系統	Database Management System
教學目標	Course Objective
<ol style="list-style-type: none"> <li>1. 學生經由對 SQL Server 2012 資料庫軟體的認識及實際使用，能充份建立起關聯式資料庫系統的觀念。</li> <li>2. 學生能熟悉及使用 SQL，進行資料處理並建立相關之資料庫物件。</li> <li>3. 學生能應用學到之資料庫技術建置資料庫系統，完成資料庫期末專題。</li> <li>4. 學生能進一步參與 SQL Server 2008 資料庫證照相關考試。</li> </ol>	<ol style="list-style-type: none"> <li>1. students can fully establish the concepts about relational database system through the learning and operation for SQL Server 2008.</li> <li>2. Students will get familiar with Structured Query Language to manipulate data and establish the related database objects.</li> <li>3. Students can apply the learned technique about SQL Server database to accomplish the establishment of database system as a final project.</li> <li>4. Students can join SQL Server 2008 related License Tests.</li> </ol>

### 【夜四技四年級選修】

科目名稱	Course Title
無線網路安全	Wireless Network Security
教學目標	Course Objective
本課程將先介紹無線網路安全的基本概念，接著針對 IEEE 802.11 無線區域網路及感測網路相關的安全機制做詳細的說明。	The course first introduces the basic concept of wireless network security, and then elaborates the security schemes of IEEE 802.11 wireless local area networks (WLANs) and wireless sensor networks.

科目名稱	Course Title
資料庫應用	Application of Database

教學目標	Course Objective
讓同學更了解資料庫與程式之間的交叉運用，以及資料庫語法應用於系統實作。	Let students learn the skill which is interaction in DB and Program, and use SQL statement for implementation.

科目名稱	Course Title
<b>科技管理</b>	<b>Technology Management</b>
教學目標	Course Objective
<p>本課程將探討高科技產業發展面臨的管理議題，本課程幫助學習者了解科技管理所涵蓋的範圍，以及管理在高科技產業瞬息萬變的環境下如何運用，有助於學習者了解目前產業動態，本課程內容除了理論講述，也將加入實際案例的討論，藉由理論以及實際案例的交叉運用，讓學習者了解科技管理動態的本質。</p>	<p>Technology management is an introduction to the management of firms in high-technology industries such as software development and biotechnology research. The course uses cases, readings, and exercises to understand the issues involved in motivating and managing knowledge workers, organizing for innovation, and decision making in fast-paced business environments.</p>