

114 學年度 系所課程地圖

Department Curriculum Map for the 2025 Academic Year

系所概要 Department	
系所名稱 Department Name	資訊工程學系 Department of Computer Science and Engineering
班別 Division	碩士班 Master's Program

教育目標 Education Goals	編號 Number	項目內容 Content	
	1	培養具備資訊理論、硬體、軟體、網路多媒體與資訊應用專長之資訊人才。 Cultivate an information talent mastering information theory and familiar with computer software/hardware, multi-media networks and information application.	
	2	培養具備理論基礎與實作能力的資訊人才。 Cultivate an information talent with theoretical basis and implementation ability.	
	3	培養具備自我挑戰與終身學習能力之人才。 Cultivate a talent of the abilities in self-challenge and lifelong learning.	
學生核心能力 Student Core Competencies	編號 Number	項目內容 Content	對應之教育目標 編號 Corresponding Education Goal Number
	A	具備資訊科學素養、資訊理論與數學分析之能力 Having abilities on computer science literacy, information theory, and mathematical analysis.	13
	B	具備分析、設計與實作資訊硬體系統之能力 Having abilities of analyzing, designing, and implementing IT hardware systems.	13
	C	具備分析、設計與實作資訊軟體系統之能力 Having abilities of analyzing, designing, and implementing IT software systems.	13
	D	具備分析、設計與整合資訊應用系統之能力 Having abilities of analyzing, designing, and integrating IT application systems.	13
	E	具備分析、設計與實作資訊網路與多媒體系統之能力 Having abilities of analyzing, designing, and implementing information network and multimedia systems.	13
	F	具備自我學習、溝通協調與團隊合作之能力 Having abilities of self-learning, communicating and coordinating team work.	23

※附註 Note :

- 各系所所屬之班別，含學士班、碩士班、博士班等，請分別填寫。
1.Complete the map separately for each division, including Bachelor's, Master's, and Doctoral program.
例如：資管學士班需填寫表二及表三；資管碩士班也須填寫表二及表三。
For example, Forms 2 and 3 must be completed for Bachelor's program in Management Information Systems, and also for Master's program in for Bachelor's program in Management Information Systems.
- 教育目標及核心能力之代號皆以英文字母大寫為主。
2.Codes for Education Goals and Core Competencies must be in uppercase English alphabet letters.
- 可依不同班（組）別填寫教育目標及核心能力。
3.Education Goals and Core Competencies can be specific to the division in question.

單位主管簽章 Head of Planning Division :

承辦人簽章 Signature of Responsible Person :

112 年 01 月 11 日

114 學年度 系所課程地圖

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	G	具備資料蒐集、獨立思考、解決問題及研究創新之能力 Having abilities of data collection, independent thinking, problem solving, and research innovation.	12
	H	尊重學術倫理並具備學術論文的簡報與撰寫能力 Respecting academic ethics and having the abilities of presenting and writing academic research paper.	2

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1.Complete the map separately for each division, including Bachelor's, Master's, and Doctoral program.
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課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

課程名稱 Course	規劃要點 (附註) Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	開課 單位 Course Offering Unit	備註 (開 課年級) Remarks (Year of Study)
	1	2	3	4			
院核心課程 (若無免填) College Core Courses (not required if none)							
(中文)							
(英文)							
(中文)							
(英文)							
(中文)							
(英文)							
必修課程 Required Courses							
(中文) 專題演講〈一〉 (英文) Seminar in Computer Science(I)	M	C	Y	2	A100	資工系 Dept. of Computer Science and Engineering	1
(中文) 碩士論文 (英文) Thesis	M	C	Y	6	F30G30 H40	資工系 Dept. of Computer Science and Engineering	2
(中文)							
(英文)							
(中文)							
(英文)							
(中文)							
(英文)							
(中文)							
(英文)							
(中文)							
(英文)							
(中文)							
(英文)							

※附註：規劃要點填表說明：(1 到 4 各欄位請填正確代表字母)

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1: U-學士課程、M-碩士課程、D-博士課程。1: U-Bachelor's program, M-Master's program, D-Doctoral program.

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	1	2	3	4			
選修課程 Elective Courses							
(中文) 超大型積體電路設計 (英文) VLSI Design	M	A	S	3	A20B50 G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 數位系統測試 (英文) Digital Testing	M	A	S	3	A20B40 G40	資工系 Dept. of Computer Science and Engineering	1
(中文) 電腦輔助設計 (英文) Computer-Aided Design	M	A	S	3	A30C40 G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等超大型積體電路測試 (英文) Advanced VLSI Testing	M	A	S	3	B35C35 G15H15	資工系 Dept. of Computer Science and Engineering	1 先修科目：數 位系統測試 Pre-requisites: Digital Testing
(中文) 高等數位積體電路 (英文) Advanced Digital Integrated Circuits	M	A	S	3	A10B50 G30H10	資工系 Dept. of Computer Science and Engineering	1
(中文) 嵌入式處理器設計與實作 (英文) Embedded Processor Design and Implementation	M	A	S	3	B40D40 F10G10	資工系 Dept. of Computer Science and Engineering	1
(中文) SoC 系統晶片設計 (英文) System-on-chip Design	M	A	S	3	A10B50 C20D20	資工系 Dept. of Computer Science and Engineering	1
(中文) 低功率計算機結構 (英文) Low Power Computer Architecture	M	A	S	3	A10B50 G30H10	資工系 Dept. of Computer Science and Engineering	1 先修科目： 邏輯設計、 計算機結 構、高等數 位積體電路 Pre-requisites: Logic Design, Computer Architecture,

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	1	2	3	4			
							Advanced Digital Integrated Circuits
(中文) 超大型積體電路數位訊號處理 (英文) VLSI Digital Signal Processing	M	A	S	3	B70C20 D10	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等超大型積體電路設計 (英文) Advanced VLSI Design	M	A	S	3	B30C15 D30F15 G10	資工系 Dept. of Computer Science and Engineering	1
(中文) 邏輯電路合成及優化 (英文) Logic Circuit Synthesis and Optimization	M	A	S	3	A10B35 C35D20	資工系 Dept. of Computer Science and Engineering	1
(中文) SoC 測試 (英文) System-on-chip Testing	M	A	S	3	B40C40 D20	資工系 Dept. of Computer Science and Engineering	1
(中文) 計算機結構 (英文) Computer Architecture	M	A	S	3	B100	資工系 Dept. of Computer Science and Engineering	1
(中文) 計算機圖學與應用 (英文) Computer Graphics and Applications	M	A	S	3	A40D30G30	資工系 Dept. of Computer Science and Engineering	1 (109-1)名稱 變更, 原名 稱: 計算機 圖學 Name Change Previous Name: Computer Graphics, 先修 科目: 計算機 程式設計或 物件導向程 式設計 Pre-requisites: Computer

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	1	2	3	4			
							Programming/ Object-Oriented Programming
(中文) 成像技術與應用 (英文) Rendering Techniques and Applications	M	A	S	3	A30D40G30	資工系 Dept. of Computer Science and Engineering	1 (109-1)名稱 變更，原名 稱：成像顯示 技術 Name Change Previous Name: Rendering Techniques，先 修科目：計算 機程式設計或 物件導向程式 設計 Pre-requisites: Computer Programming/ Object-Oriented Programming
(中文) 高等成像顯示技術與應用 (英文) Advanced Rendering and Displaying Techniques with Applications	M	A	S	3	A30C30H40	資工系 Dept. of Computer Science and Engineering	1 (109-1)名稱 變更，原名 稱：高等成像 顯示技術 Name Change Previous Name: Advanced Rendering Techniques， 先修科目：成 像技術與應 用或計算機 圖學與應用 Pre-requisites:

※附註：規劃要點填表說明：(1 到 4 各欄位請填正確代表字母)

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	1	2	3	4			
							Rendering Techniques and Applications/ Computer Graphics and Applications
(中文) 高等計算機圖學與應用 (英文) Advanced Computer Graphics and Applications	M	A	S	3	D30G30H40	資工系 Dept. of Computer Science and Engineering	1 (109-1)名稱 變更，原名 稱：高等計算 機圖學 Name Change Previous Name: Advanced Computer Graphics ，先修科目： 計算機圖學 與應用或成 像技術與應 用 Pre-requisites: Computer Graphics and Applications/ Rendering Techniques and Applications
(中文) 虛擬實境 (英文) Virtual Reality	M	A	S	3	A25C12 E25G25 H13	資工系 Dept. of Computer Science and Engineering	1
(中文) 視訊訊號處理 (英文) Video Signal Processing	M	A	S	3	A25C12 E25G25 H13	資工系 Dept. of Computer Science and Engineering	1
(中文) 電腦視覺	M	A	S	3	A25C12	資工系	1

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	1	2	3	4			
(英文) Computer Vision					E25G25 H13	Dept. of Computer Science and Engineering	
(中文) 數位訊號處理 (英文) Discrete-Time Signal Processing	M	A	S	3	A50E50	資工系 Dept. of Computer Science and Engineering	1
(中文) 影像處理 (英文) Image Processing	M	A	S	3	E50G50	資工系 Dept. of Computer Science and Engineering	1
(中文) 資料壓縮 (英文) Data Compression	M	A	S	3	E50H50	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等影像處理 (英文) Advanced Image Processing	M	A	S	3	E50H50	資工系 Dept. of Computer Science and Engineering	1
(中文) 多媒體系統與應用 (英文) Multimedia Systems and Applications	M	A	S	3	A30C30D40	資工系 Dept. of Computer Science and Engineering	1 (109-1)名稱變 更，原名稱： 多媒體系統 Name Change Previous Name: Multimedia Systems， 先修科目：計 算機程式設計 或物件導向程 式設計 Pre-requisites: Computer Programming/ Object-Oriented Programming
(中文) 多媒體資料庫設計 (英文) Multimedia Database Design	M	A	S	3	C40D30 G30	資工系 Dept. of Computer	1

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	1	2	3	4			
(中文) 高等多媒體資料庫 (英文) Advanced Multimedia Database Design	M	A	S	3	C20D50 G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 醫學影像處理 (英文) Medical Image Processing	M	A	S	3	A40C30 D30	資工系 Dept. of Computer Science and Engineering	1
(中文) 自然語言處理 (英文) Natural Language Processing	M	A	S	3	A40E30 F30	資工系 Dept. of Computer Science and Engineering	1
(中文) 圖形演算法 (英文) Graph Algorithms	M	A	S	3	A50C20 G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 語音處理 (英文) Speech Processing	M	A	S	3	A20C20 D20E20 F20	資工系 Dept. of Computer Science and Engineering	1
(中文) 自動機理論 (英文) Automata Theory	M	A	S	3	A80G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 言語與數碼 (英文) Languages and Codes	M	A	S	3	A30G30 H40	資工系 Dept. of Computer Science and Engineering	1
(中文) 生物統計分析 (英文) Biostatistical Analysis	M	A	S	3	A60G20 H20	資工系 Dept. of Computer Science and Engineering	1
(中文) 圖形識別 (英文) Pattern Recognition	M	A	S	3	A30G30 H40	資工系 Dept. of Computer Science and Engineering	1
(中文) 平行計算方法之設計與分析 (英文) Design and Analysis of Parallel Algorithms	M	A	S	3	A60G40	資工系 Dept. of Computer	1

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課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

課程名稱 Course	規劃要點 (附註) Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	開課 單位 Course Offering Unit	備註 (開 課年級) Remarks (Year of Study)
	1	2	3	4			
(中文) 高速交換技術 (英文) High-speed Switching Technology	M	A	S	3	B60G40	資工系 Dept. of Computer Science and Engineering	1
(中文) 交連網路 (英文) Interconnection Networks	M	A	S	3	B100	資工系 Dept. of Computer Science and Engineering	1
(中文) 平行處理 (英文) Parallel Processing	M	A	S	3	B100	資工系 Dept. of Computer Science and Engineering	1
(中文) 圖形理論 (英文) Graph Theory	M	A	S	3	A60C40	資工系 Dept. of Computer Science and Engineering	1
(中文) 資訊安全 (英文) Information Security	M	A	S	3	A60G40	資工系 Dept. of Computer Science and Engineering	1
(中文) 無線通訊安全 (英文) Security of Wireless Communication	M	A	S	3	A40D40 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 網路安全 (英文) Network Security	M	A	S	3	A50D50	資工系 Dept. of Computer Science and Engineering	1
(中文) 演算法設計與分析 (英文) Design and Analysis of Algorithms	M	A	S	3	A80D20	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等人工智慧 (英文) Advanced Artificial Intelligence	M	A	S	3	A50F30 H20	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等演算法 (英文) Advanced Design and Analysis of Algorithms	M	A	S	3	A80D20	資工系 Dept. of Computer	1

※附註：規劃要點填表說明：(1 到 4 各欄位請填正確代表字母)

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單位主管簽章 Head of Planning Division：

承辦人簽章 Signature of Responsible Person：

114 年 08 月 19 日

課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

課程名稱 Course	規劃要點 (附註) Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	開課 單位 Course Offering Unit	備註 (開 課年級) Remarks (Year of Study)
	1	2	3	4			
						Science and Engineering	
(中文) 高等資訊安全 (英文) Advanced Information Security	M	A	S	3	A60G40	資工系 Dept. of Computer Science and Engineering	1 先修科目： 資訊安全 Pre-requisites: Information Security
(中文) 計算機系統與網路管理 (英文) Computer Systems and Network Management	M	A	S	3	A40D30 G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 計算機效能評估 (英文) Computer System Performance Evaluation	M	A	S	3	A60G40	資工系 Dept. of Computer Science and Engineering	1
(中文) 資料模式與資料處理 (英文) Data Modeling and Data Processing	M	A	S	3	C50G50	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等計算機網路 (英文) Advanced Computer Networks	M	A	S	3	A20B10 C10D10 E10G20 H20	資工系 Dept. of Computer Science and Engineering	1
(中文) 行動隨意網路 (英文) Mobile Ad-Hoc Networks	M	A	S	3	A20C35 D10G35	資工系 Dept. of Computer Science and Engineering	1
(中文) 無線寬頻網路 (英文) Wireless Broadband Networks	M	A	S	3	E60F40	資工系 Dept. of Computer Science and Engineering	1
(中文) 雲端計算與網路 (英文) Cloud Computing and Networking	M	A	S	3	E50F50	資工系 Dept. of Computer Science and Engineering	1 (102-2)名稱 變更原名 稱：雲端資 料網路 Name Change Previous Name:

※附註：規劃要點填表說明：(1 到 4 各欄位請填正確代表字母)

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單位主管簽章 Head of Planning Division :

承辦人簽章 Signature of Responsible Person :

114 年 08 月 19 日

課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

課程名稱 Course	規劃要點 (附註) Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	開課 單位 Course Offering Unit	備註 (開 課年級) Remarks (Year of Study)
	1	2	3	4			
							Data Center Network
(中文) 雲端管理系統 (英文) Cloud Management Systems	M	A	S	3	C30D30 E40	資工系 Dept. of Computer Science and Engineering	1
(中文) 雲端運算程式設計 (英文) Programming in Cloud Computing	M	A	S	3	C30D30 F20G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 社群網路與運算 (英文) Social Network and Computing	M	A	S	3	A60B40	資工系 Dept. of Computer Science and Engineering	1
(中文) 無線感測網路 (英文) Wireless Sensor Networks	M	A	S	3	A40E40 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 無線網路效能分析 (英文) Performance Analysis of Wireless Networks	M	A	S	3	A20E60 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 個人通訊系統 (英文) Personal Communication Systems	M	A	S	3	A100	資工系 Dept. of Computer Science and Engineering	1
(中文) 分散式系統 (英文) Distributed Systems	M	A	S	3	C50G50	資工系 Dept. of Computer Science and Engineering	1
(中文) 網際網路通訊協定 (英文) Internet Protocols	M	A	S	3	A20E80	資工系 Dept. of Computer Science and Engineering	1
(中文) 嵌入式系統 (英文) Embedded Systems	M	A	S	3	A40G60	資工系 Dept. of Computer Science and Engineering	1
(中文) 編譯器設計 (英文) Compiler Construction	M	A	S	3	C40D40 F20	資工系 Dept. of	1

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單位主管簽章 Head of Planning Division :

承辦人簽章 Signature of Responsible Person :

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課程規劃表 Curriculum Plan

◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

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	1	2	3	4			
(中文) 嵌入式系統設計與實習 (英文) Embedded Systems:Design and Lab	M	A	S	3	B40D40 G10F10	資工系 Dept. of Computer Science and Engineering	1
(中文) 資料庫系統 (英文) Database System	M	A	S	3	A20C40 D30G10	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等資料庫系統 (英文) Advanced Database Systems	M	A	S	3	A20C40 D30G10	資工系 Dept. of Computer Science and Engineering	1
(中文) 資料與知識工程 (英文) Data and Knowledge Engineering	M	A	S	3	A20D40 G30H10	資工系 Dept. of Computer Science and Engineering	1
(中文) 高等資料探勘與巨量資料分析 (英文) Advanced Data Mining and Big Data Analysis	M	A	S	3	A30D30 F20G20	資工系 Dept. of Computer Science and Engineering	1 1 (107-2)名稱 變更，原名 稱：高等資 料挖掘與巨 量資料分析 Name Change Previous Name: Advanced Data Mining and Big Data Analysis 113-1 更改 為進階課程 Changed to Advanced courses
(中文) 物聯網應用與資料分析 (英文) Internet of Things Applications and Data Analysis	M	A	S	3	A50D50	資工系 Dept. of Computer Science and Engineering	1

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承辦人簽章 Signature of Responsible Person：

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◎規劃單位 Planning Unit：資訊工程學系 Department of Computer Science and Engineering

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	1	2	3	4			
(中文) 系統分析與設計 (英文) System Analysis and Design	M	A	S	3	A40D40 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 資料探勘 (英文) Data Mining	M	A	S	3	A30C20 D30F10G10	資工系 Dept. of Computer Science and Engineering	1 (107-2)名稱 變更，原名 稱：資料挖 掘 Name Change Previous Name: Data Mining
(中文) 生物資訊學 (英文) Introduction to Bioinformatics	M	A	S	3	A50C30 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 基因演算法 (英文) Genetic Algorithms	M	A	S	3	A50C30 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 機器學習與生物資訊 (英文) Machine Learning and Bioinformatics	M	A	S	3	A50D50	資工系 Dept. of Computer Science and Engineering	1 (103-1)名稱 變更原名 稱：機器學習 Name Change Previous Name: Machine Learning
(中文) 普及計算 (英文) Pervasive Computing	M	A	S	3	E50F50	資工系 Dept. of Computer Science and Engineering	1
(中文) 綠能資訊科技 (英文) Green Computing Technology	M	A	S	3	C30G40 H30	資工系 Dept. of Computer Science and Engineering	1
(中文) 人機介面 (英文) Human-Computer Interface	M	A	S	3	A30C30 F20G20	資工系 Dept. of Computer	1

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	1	2	3	4			
(中文) 情境感知系統設計 (英文) Context-Aware System Design	M	A	S	3	A20C20 D20F20 G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 智慧型代理人 (英文) Intelligent Agents	M	A	S	3	A30C30 F20G20	資工系 Dept. of Computer Science and Engineering	1
(中文) 生物資訊演算法 (英文) Bioinformatics Algorithms	M	A	S	3	A30G70	資工系 Dept. of Computer Science and Engineering	1
(中文) 機率演算法 (英文) Randomized Algorithms	M	A	S	3	A40G60	資工系 Dept. of Computer Science and Engineering	1
(中文) 計算幾何 (英文) Computational Geometry	M	A	S	3	A30G70	資工系 Dept. of Computer Science and Engineering	1
(中文) 資訊檢索 (英文) Advanced Topics in Information Retrieval	M	A	S	3	A30F30 H40	資工系 Dept. of Computer Science and Engineering	1
(中文) 新型態網路技術 (英文) New Trends in Network Technology	M	A	S	3	A60C40	資工系 Dept. of Computer Science and Engineering	1
(中文) 隱私保護計算 (英文) Privacy-Preserving Computing	M	A	S	3	A70C30	資工系 Dept. of Computer Science and Engineering	1
(中文) Spark 平台與大數據分析 (英文) Big Data Analytics with Spark	M	A	S	3	A20C50F30	資工系 Dept. of Computer Science and Engineering	1
(中文) 啟發式演算法 (英文) Metaheuristics	M	A	S	3	A20C50F30	資工系 Dept. of Computer	1

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	1	2	3	4			
(中文) 物聯網數據分析與應用 (英文) Internet of Things (IoT) Data Analysis and Applications	M	A	S	3	A50D50	資工系 Dept. of Computer Science and Engineering	1
(中文) 物聯網設計與實作 (英文) Internet of Things Platform Design and Implementation	M	A	S	3	A50D50	資工系 Dept. of Computer Science and Engineering	1
(中文) 深度學習與應用 (英文) Deep Learning and Its Applications	M	A	S	3	A20C30D30 F20	資工系 Dept. of Computer Science and Engineering	1
(中文) 雲端運算與影像分析專題 (英文) Selected Topics in Cloud Computing and Image Analysis	M	A	S	3	C40D30G30	資工系 Dept. of Computer Science and Engineering	1
(中文) 嵌入式系統設計與實作 (英文) Embedded System Design and Implementation	M	A	S	3	D40F20G40	資工系 Dept. of Computer Science and Engineering	1
(中文) 英文科技論文寫作 (英文) English Technical Paper Writing	M	A	S	1	F20G40H40	資工系 Dept. of Computer Science and Engineering	1
(中文) 計算機數學 (英文) Computer Mathematics	M	A	S	3	A100	資工系 Dept. of Computer Science and Engineering	1
(中文) 深度強化學習 (英文) Deep Reinforcement Learning	M	A	S	3	A20C50F30	資工系 Dept. of Computer Science and Engineering	1
(中文) 量子計算與通訊 (英文) Quantum Computation and Communication	M	A	S	3	A20F30 G20H30	資工系 Dept. of Computer Science and Engineering	1
(中文) 密碼學 (英文) Cryptography	M	A	S	3	A60G40	資工系 Dept. of Computer	1

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(中文) 高等作業系統 (英文) Advanced Operating Systems	M	A	S	3	B10C90	資工系 Dept. of Computer Science and Engineering	1
(中文) 深入輸入系統：從作業系統設計到應用程式開發 (英文) Mastering I/O Systems: From OS Internals to Application Development	M	A	S	3	B10C90	資工系 Dept. of Computer Science and Engineering	1 (114-1)名稱 變更原名 稱：輸出入系 統設計 Name Change Previous Name: I/O System Design
(中文) 高速無線區域網路設計 (英文) High-speed Wireless Local Area Network Design	M	A	S	3	E60F40	資工系 Dept. of Computer Science and Engineering	1
(中文) 量子密碼學 (英文) Quantum Cryptography	M	A	S	3	A60G40	資工系 Dept. of Computer Science and Engineering	進階課程 Advanced courses
(中文) 自動化金融交易入門 (英文) Introduction to Automated Financial Trading	M	A	S	3	D100	資工系 Dept. of Computer Science and Engineering	進階課程 Advanced courses
(中文) 專題演講〈二〉 (英文) Seminar in Computer Science(II)	M	C	Y	2	A100	資工系 Dept. of Computer Science and Engineering	2
(中文) 個別研究指導〈二〉 a~s (英文) Independent Study(II) a~s	M	C	Y	6	A20E20F20 G20H20	資工系 Dept. of Computer Science and Engineering	2 分 a~s 組 (Class a~s)

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2：A-正課、B-實習課、C-台下指導之科目如學生講述或邀請演講之專題討論、專題研究.....等。2:A-Lecture, B-Internship, C-Subjects with private guidance such as student presentations or invited speeches, topic discussions, topic research, etc.

3：S-學期課、Y-學年課。3: S-Semester course, Y-Year-long course.

4：科目 (全期或全年) 總學分數 (請填阿拉伯數字)。4: Total course (full-semester or full-year) credits (in Arabic numerals).

單位主管簽章 Head of Planning Division：

承辦人簽章 Signature of Responsible Person：

114 年 08 月 19 日