114/2 Bilingual Education Courses (114 學年度第 2 學期雙語授課課程表)

*備註 Notes:

請注意各課程的**開課學制**，以確認該課程是否可納入畢業學分。

Please take note of each course's **course scheduling system (CSS)** to verify whether the course can be counted towards graduation credits.

開課學制縮寫代號如下：

CSS abbreviations are as follows:

1. 學士 (Bachelor, B) 2. 碩士 (Master, M) 3. 碩在職 (In-Service Master, IM) 4. 博士 (PhD, P)

5. 二專 (Junior College, J) 6. 二技 (Technical College, T)

No. 編號	Department 開課系所	Course Code 課號 / CSS 開課學制	Course Title 科目名稱	Required/ Elective 必修/ 選修	Credit Points 學分數	Instructor 授課老師	Weekly 每週上課節次					Classroom 上課教室	Course Plan 課程計畫
							Mon	Tue	Wed	Thu	Fri		
1	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2620 / P	Surface analysis 表面分析	Elective 選修	3	DR. RANJIT A. PATIL 藍吉特					2-4	(ATD0701) Classroom Building 4 7F 第四期教學大樓 7F ATD0701 普通教室	Course Plan

No.	Program	Code	Course	Type	Credits	Instructor	Mon	Tue	Wed	Thu	Fri	Classroom	
2	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2622 P	Scientific English 科技英文	Elective 選修	3	DR. RANJIT A. PATIL 藍吉特		2-4				(BGA0611) First Assembly Building 6F 綜合工程一館 6F BGA0611 研討室(三)	Course Plan
3	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2624 P	Thin Film Fabrication Technology and Material Analysis 薄膜製程技術與薄膜材料分析	Elective 選修	3	DR. RANJIT A. PATIL 藍吉特				2-4		(BGA0611) First Assembly Building 6F 綜合工程一館 6F BGA0611 研討室(三)	Course Plan
4	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2625 P	Digital Communication Technology 數位通訊技術	Elective 選修	3	Diksha Chauhan 迪克莎喬娜	2-4					(BGB0301) Second Assembly Building 3F 綜合工程二館 3F BGB0301 流力實驗室	Course Plan

5	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2626	High-Speed Semiconductor Device 高速半導體元件	Elective 選修	3	Diksha Chauhan 迪克莎喬娜					7-9	(ATD0701) Classroom Building 4 7F 第四期教學大樓 7F ATD0701 普通教室	Course Plan
		P											
6	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2623	Numerical Heat Transfer 數值熱傳	Elective 選修	3	Abhishek Kumar 庫秉弦	5-7					(AME0217) Mechanical Engineering Hall 2F 機械工程館 2F AME0217 五軸加工跨領域整合實驗室	Course Plan
		P											
7	Doctoral Degree Program in Smart Industry Technology Research and Development 智慧產業科技研發博士學位學程	2627	Advanced Engineering Analysis 高等工程分析	Elective 選修	3	Abhishek Kumar 庫秉弦				5-7		(BGA0760) First Assembly Building 7F 綜合工程一館 7F BGA0760 逆向快速成型實驗室	Course Plan
		P											

8	Doctoral Program in Electro-Optical and Materials Science, Department of Electro-Optical Engineering 光電工程系-光電與材料科技博士班	2605	Diffraction Physics 繞射物理	Elective 選修	3	DR. RANJIT A. PATIL 藍吉特			7-9			(ATB0203) Classroom Building 2 2F 第二期教學大樓 2F ATB0203 普通教室	Course Plan
		P											
9	Doctoral Program in Electro-Optical and Materials Science, Department of Electro-Optical Engineering 光電工程系-光電與材料科技博士班	2599	Analog Integrated Circuit Design 類比積體電路設計	Elective 選修	3	Diksha Chauhan 迪克莎喬娜			2-4			(ATB0203) Classroom Building 2 2F 第二期教學大樓 2F ATB0203 普通教室	Course Plan
		P											
10	Doctoral Program in Electro-Optical and Materials Science, Department of Electro-Optical Engineering 光電工程系光電與材料科技博士班	2615	AI hardware acceleration AI 硬體加速	Elective 選修	3	Hsu Mao-Hsiu 徐茂修			6-8			（BGA0161）The First Assembly Building 1F Microcomputer Lab 綜合工程一館 1F BGA0161 微電腦實驗室	Course Plan
		P											

11	Doctoral Program in Electro-Optical and Materials Science, Department of Electro-Optical Engineering 光電工程系光電與材料科技博士班	2609 P	Advances in Semiconductor Physics and Devices 先進半導體物理與元件專論	Elective 選修	3	Shyh-Jer Huang 黃士哲					2-4		（BGAB110） The First Assembly Building B1 Classroom(5)， 綜合工程一館 B1 BGAB110 預備教室五	Course Plan
12	Department of Electro-Optical Engineering 光電工程系	0998 B	Programing Language 程式語言	Required 必修	3	Hsu Mao-Hsiu 徐茂修	7-9						（BGA0161） The First Assembly Building 1F Microcomputer Lab 綜合工程一館 1F BGA0161 微電腦實驗室	Course Plan
13	Doctoral Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系機械與機電工程博士班	2587 P	Advanced Vibration and Modal Analysis 高等振動學與模態分析	Elective 選修	3	Yunn-Lin Hwang 黃運琳					2-4		(BGA0760) Multi -Purpose Engineering Bldg., Reverse and Rapid Protoyping Lab.7F 綜合工程一館 7F BGA0760 逆向快速成型實驗室	Course Plan

	Department	Code	Course	Required/Elective	Credits	Instructor							Classroom	
14	Doctoral Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系 機械與機電工程 博士班	2585 / P	Dynamics of Machine System 機器系統動力學	Elective 選修	3	Yunn-Lin Hwang 黃運琳		2-4					(BGA0760) Multi -Purpose Engineering Bldg., Reverse and Rapid Protoyping Lab.7F 綜合工程一館 7F BGA0760 逆向快速成型實驗室	Course Plan
15	Master's Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系 機械與機電工程 碩士班	0255 / M	Linear System Analysis 線性系統分析	Elective 選修	3	Tsai-Jiun Ren 任才俊		2-4					(BGB0709) Engineering Building 2, 7F 綜合工程二館 7F BGB0709 小型教室	Course Plan
16	Master's Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系- 機械與機電工程 碩士班	0251 / M	Computational Methods for Fluid Dynamics 計算流體力學	Elective 選修	3	Abhishek Kumar 庫秉弦						5-7	(BGB0709) Second Assembly Building 7F 綜合工程二館 7F BGB0709 小型教室	Course Plan

No.	Department	Code		Course Name	Required/Elective	Credits	Instructor						Time	Classroom	
17	Master's Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系-機械與機電工程碩士班	0252 M		Convective Heat Transfer 熱對流	Elective 選修	3	Abhishek Kumar 庫秉弦						2-4	(BGB0709) Second Assembly Building 7F 綜合工程二館7F BGB0709 小型教室	Course Plan
18	In-Service Master's Program in Mechanical and Electro-Mechanical Engineering, Department of Power Mechanical Engineering 動力機械工程系-機械與機電工程碩士在職專班	0265 IM		Heat Exchanger Design 熱交換器設計	Elective 選修	3	Abhishek Kumar 庫秉弦						(SAT) 星期六 7-9	(BGB0305) Second Assembly Building 3F 綜合工程二館3F BGB0305 熱工實驗室	Course Plan
19	Master's Program in Materials Science and Green Energy Engineering, Department of Materials Science and Engineering 材料科學與工程系-材料科學與綠色能源工程碩士班	0224 M		Electronic Packaging 電子構裝	Elective 選修	3	DR. RANJIT A. PATIL 藍吉特						5-7	(AME0324) Mechanical Engineering Hall 3F 機械工程館3F　AME0324 預備教室(三)	Course Plan

20	Master's Program in Materials Science and Green Energy Engineering, Department of Materials Science and Engineering 材料科學與工程系-材料科學與綠色能源工程碩士班	0222 M	Green Energy Engineering 綠色能源工程	Elective 選修	3	Thi Nghi Nhan Nguyen 阮氏儀仁	1-3					3F Building of Mechanical Engineering (AME0324) 機械工程館 3F 預備教室(三)	Course Plan
21	Department of Materials Science and Engineering 材料科學與工程系	1491 B	Chemistry(2) 化學(二)	Required 必修	3	Lu Fang Hsien 呂芳賢	8-9			4		Building of Information 1F stair classroom 資訊大樓 (AIA0104) 階梯教室、 Building of Fourth teaching 7F (ATD0704) 第四期教學大樓 7F 普通教室	Course Plan
22	Master's Program, Department of Vehicle Engineering 車輛工程系-碩士班	0061 M	Reading and Writing of Technical Thesis 科技論文閱讀與寫作	Elective 選修	3	Diksha Chauhan 迪克莎喬娜				2-4		(ATB0504) Classroom Building 2 5F 第二期教學大樓 5F ATB0504 普通教室	Course Plan
23	Master's Program in Aeronautical and Electronic Engineering, Department of	0302	Drone Principle of Communication 無人機通訊原	Elective 選修	3	Diksha Chauhan 迪克莎喬娜				2-4		(BGC0804) Third Assembly Building 8F 綜合工程三館	Course Plan

	Department	Code	Course	Req/Elect	Credits	Instructor						Location	
	Aeronautical Engineering 飛機工程系-航空與電子科技碩士班	M	理									8F BGC0804 飛機工程實驗室	
24	Master's Program in Aeronautical and Electronic Engineering, Department of Aeronautical Engineering 飛機工程系-航空與電子科技碩士班	0297 / M	國際民航法規 International Aviation Regulations	Elective 選修	3	Lin, Chung-Yan 林中彥				6-8		(BGC0804) Classroom. The 3rd Complex Building 8F Aeronautical Engineering Lab. 綜合工程三館 8F BGC0804 飛機工程實驗室	Course Plan
25	Avionics Group, Department of Aeronautical Engineering 飛機工程系航空電子組	1375 / B	飛機維修實務 Aircraft Maintenance Practice	Elective 選修	3	Wang, Shih-Chia 王士嘉				2-4		(AAF0201) Avonics Workshop,2F 飛機場館 2 樓 AAF0201 航電實習工場	Course Plan
26	Master's Program, Department of Automation Engineering 自動化工程系碩士班	0048 / M	Engineering Analysis 工程分析	Elective 選修	3	LEE, MENG -TSE 李孟澤	2-4					(BGA0340) First Assembly Building ,3F Seminar Room BGA0340 綜合工程一館 3F 研討室	Course Plan

27	Master's Program, Department of Automation Engineering 自動化工程系 碩士班	0045 M	Creation and Invention 創意與發明	Elective 選修	3	Rong-Feng Tsai 蔡榮鋒				5-7		(BGA0340) First Assembly Building,3F Seminar Room BGA0340 綜 合工程一館 3F 研討室	Course Plan
28	Master's Program, Department of Automation Engineering 自動化工程系 碩士班	0049 M	Big Data Analysis 巨量資料分析	Elective 選修	3	LEE, KUANG -CHYI 李廣齊		7-9				(BGA0530) First Assembly Building,5F Control Engineering Laboratory 綜一館 5F 控制 工程實驗室	Course Plan
29	Department of Automation Engineering 自動化工程系	1151 B	Embeded systems 嵌入式系統	Elective 選修	3	LEE, KUANG -CHYI 李廣齊	5-7					(BGA0530) First Assembly Building,5F Control Engineering Laboratory 綜一館 5F 控制 工程實驗室	Course Plan
30	Master's Program, Department of Electrical Engineering 電機工程系 碩士班	0139 M	5G 核心網路技 術與實務 Technology and Practice of 5G Core Networks	Elective 選修	3	Su, Hui-Kai 蘇暉凱			5-7			BEE0402; 4F, Smart Electronic Application Laboratory 電機館 4F BEE0402 智慧 電子應用實驗 室	Course Plan

#	Department	Code	Course	Type	Credits	Instructor						Location	
31	Master's Program, Department of Electrical Engineering 電機工程系 碩士班	0131 M	科技論文寫作 Technical Paper Writing	Elective 選修	2	Ming-Li Wang 王鳴立		7-8				BEE0405; 2F, Co-creation Workshop. 電機館 4F BEE0405 共創工場	Course Plan
32	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	0116 M	Cloud Computing and Big Data Security 雲端大數據安全	Elective 選修	3	JIANG,JI-HAN 江季翰			5-7			(BGC0501) The 3rd Assembly Building 5F Basic electricity and professional certification Lab. 綜合工程三館 5F BGC0501 基本電學與證照實驗室	Course Plan
33	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	0117 M	AI model programming and applications AI 系統建模與應用	Elective 選修	3	LIN,WU-CHIEH 林武杰					5-7	(BGC0601) The 3rd Assembly Building 6F IC Desing Lab. 綜合工程三館 6F BGC0601 IC 設計實驗室	Course Plan
34	Department of Computer Scienceand Information Engineering	0123	Cloud Operating Systems 雲端作業系統	Elective 選修	3	JIAN,MING-SHEN 簡銘伸		7-9				(BRA0201) Technology Research center 2F Smart	Course Plan

	資訊工程系 碩士班	M										Computing & Information Security Lab. 科研大樓 2F BRA0201 智 慧運算與資訊 安全實驗室	
35	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	0124 M	Next generation mobile communication networks 下世代行動通 訊網路	Elective 選修	3	Tu, Jiun-Yu 杜俊育	2-4					(BGC0501) The 3rd Assembly Building 5F Basic electricity and professional certification Lab. 綜合工程三館 5F BGC0501 基本電學與證 照實驗室	Course Plan
36	Department of Computer Scienceand Information Engineering 資訊工程系	2023 B	Microprocessor Lab. 微處理機實習	Required 必修	1	CHEN,KUO-YI 陳國益		1-3				(BGC0601) The 3rd Assembly Building 6F IC Desing Lab. 綜合工程三館 6F BGC0601 IC 設計實驗室	Course Plan
37	Department of Computer Scienceand Information Engineering	1988	Scientific Computing 科學計算	Required 必修	1	Yu,Yun-Shuai 游允帥	6-8					(BRA0201) Technology Research center 2F Smart	Course Plan

	資訊工程系	B										Computing & Information Security Lab. 科研大樓 2F BRA0201 智慧運算與資訊安全實驗室	
38	Department of Computer Scienceand Information Engineering 資訊工程系	2001	Scientific Computing 科學計算	Required 必修	1	Yu,Yun-Shuai 游允帥				1-3		(BRA0201) Technology Research center 2FSmart Computing & Information Security Lab. 科研大樓 2F BRA0201 智慧運算與資訊安全實驗室	Course Plan
		B											
39	Department of Computer Scienceand Information Engineering 資訊工程系	1980	Computer Networks 計算機網路概論	Required 必修	3	HUANG,SHIH-CHANG 黃世昌	3-4					(AIA0204) Information Building 2F Computer Classroom 資訊大樓 2F AIA0204 電腦教室	Course Plan
		B						4				(BGC0601) The 3rd Assembly Building 6F IC Desing Lab. 綜合工程三館 6F BGC0601 IC 設計實驗室	

40	Department of Computer Scienceand Information Engineering 資訊工程系	2014	English for Science and Technology 科技英文	Elective 選修	3	TSAI, PO-HSIANG 蔡柏祥		7		1-2		(BRA0102) Technology Research center 1F AI Innovation Lab. 科研大樓 1F BRA0102 人工智慧創新實驗室	Course Plan
		B										
41	Department of Computer Scienceand Information Engineering 資訊工程系	1964	English Reading for Science and Technology 科技文件閱讀	Elective 選修	3	TSAI, PO-HSIANG 蔡柏祥		8-9		4		(BGC0614) The 3rd Assembly Building 6F e-Learning Lab. 綜合工程三館 6F BGC0614 數位學習實驗室	Course Plan
		B										
42	Department of Electronic Engineering 電子工程系	0428	Python Programming Python 程式設計	Elective 選修	3	Liu, Yu-Sung 劉育松				2-4		Academic Building III ATC0404 第三期教學大樓 4F ATC0404 嵌入式系統實驗室	Course Plan
		T										
43	Department of Electronic Engineering 電子工程系	1775	Python Programming Python 程式設計	Elective 選修	3	Liu, Yu-Sung 劉育松				5-7		Academic Building III ATC0404 第三期教學大樓 4F ATC0404 嵌入式系統實驗室	Course Plan
		B										

44	Master's Program in Industrial Engineering and Management, Department of Engineering and Management 工業管理系工業工程與管理碩士班	0319	Networks and Logistics Methodology 網路與運籌	Elective 選修	3	Hsieh , Yi -Chih 謝益智		5-7				Business Intelligence Room (CMA0806) Applied Arts, Sciences and Management Building 8F 文理及管理大樓 8F CMA0806 專業教室 III	Course Plan
		M											
45	Master's Program in Industrial Engineering and Management, Department of Engineering and Management 工業管理系工業工程與管理碩士班	0322	Intelligent Manufacturing System 智慧製造系統	Elective 選修	3	Cheng, Tzong -Ming 鄭宗明			2-4			Business Intelligence Room (CMA0806) Applied Arts, Sciences and Management Building 8F 文理及管理大樓 8F CMA0806 專業教室 III	Course Plan
		M											
46	Master's Program in Industrial Engineering and Management, Department of Engineering and Management 工業管理系工業工程與管理碩士班	0320	Production Management and Practice 生產管理與實務	Elective 選修	3	Hu , Chih -Hsiung 胡智熊			2-4			Business Intelligence Room (CMA0806) Applied Arts, Sciences and Management Building 8F 文理及管理大樓 8F CMA0806 專業教室 III	Course Plan
		M											

47	Master's Program, Department of Information Management 資訊管理系 碩士班	0089 M	Database Management 資料庫管理	Elective 選修	3	Yung-Tsung Hou 侯雍聰	5-7				(CMA0407) ., Applied Arts, Sciences and Management Building 4F 文理暨管理大樓 4F CMA0407 智慧應用電腦 教室	Course Plan
48	Master's Program, Department of Information Management 資訊管理系 碩士班	0093 M	Intelligent image processing 智慧影像處理	Elective 選修	3	Yen-Kun Lin 林彥昆		5-7			(CMA0409) ., Applied Arts, Sciences and Management Building 4F 文理暨管理大樓 4F CMA0409 大數據分析電腦 教室	Course Plan
49	Master's Program, Department of Information Management 資訊管理系 碩士班	0092 M	Machine Learning and Big data Project 機器學習與大 數據專題	Elective 選修	3	Nian-Ze Hu 胡念祖				2-4	(CMA0405) ., Applied Arts, Sciences and Management Building 4F 文理暨管理大 樓 4F CMA0405 多媒體電腦教室	Course Plan
50	Master's Program in Business Management, Department of Business	0342	Information Management 資訊管理	Elective 選修	3	Liang, Chih -Chin 梁直青	5-7				(CMA0208) Service Science Lab and Management Building 2F	Course Plan

	Administration 企業管理系經營管理碩士班	M										文理及管理大樓 2F CMA0208 服務科學實驗室	
51	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	0343 M	Behavioral Finance 行為財務	Elective 選修	3	Chi -Lin, Lu 呂麒麟		5-7				(CMA0209) Innovative Teaching Practice Classroom., Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0209 創新教學實踐教室	Course Plan
52	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	0344 M	Strategic Management 策略管理	Elective 選修	3	Yi Hsu 徐怡			5-7			(CMA0206) Applied Arts, Sciences and Management Building 2F 文理及管理大樓 2F CMA0206 經營模擬與數據分析實驗室	Course Plan
53	Master's Program in Business Management, Department of Business	0345	Technology Management 科技管理	Elective 選修	3	Yu -Chun, Chen 陳鈺淳	5-7					(CMAB108) Applied Arts, Sciences and Management Building B1	Course Plan

		0029											(CMA0201) Seminar Room II, Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0201 財金研討室 II	
	Administration 企業管理系經營管理碩士班	M											Course Plan P+M 文理及管理大樓 B1 三創學程專業教室(1)	
54	Master's Program, Department of Finance 財務金融系碩士班	0029	Time Series Analysis 時間數列分析	Required 必修	3	Jo-Yu Wang 王若愚		6-8					(CMA0201) Seminar Room II, Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0201 財金研討室 II	Course Plan
		M												
55	Master's Program, Department of Finance 財務金融系碩士班	0030	Theory and Practice of Investment 投資學理論與實務	Required 必修	3	Lai , Ya-Wen 賴雅雯	5-7						(CMA0201) Seminar Room II, Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0201 財金研討室 II	Course Plan
		M												
56	Master's Program in Digital Contents and Creative Industries, Department of Multimedia Design 多媒體設計系數位內容創意產業碩士班	0184	Social Media Interaction 社交媒體互動研究	Elective 選修	3	Shen Siu-Tsen 沈思岑				5-7			(CHB0305) Multimedia Design Studio, Art and Humanity Building 3F 人文大樓三樓多媒體設計實	Course Plan
		M												

													驗室	
57	Master's Program in Digital Contents and Creative Industries, Department of Multimedia Design 多媒體設計系數位內容創意產業碩士班	0176 / M	Multimedia Presentation and Topic Oriented Research 多媒體創作與表現專題研究	Elective 選修	3	Shen Siu-Tsen 沈思岑		5-7				(CHB0305) Multimedia Design Studio, Art and Humanity Building 3F 人文大樓三樓多媒體設計實驗室	Course Plan
58	Master's Program, Department of Leisure and Recreation 休閒遊憩系碩士班	0212 / M	Park, Recreation Marketing and Management 公園遊憩行銷與管理	Elective 選修	3	Yen, Hung-Hsu 顏宏旭			5-7			(CMA0505) Applied Arts, Sciences and Management Building 5F 文理暨管理大樓 5F CMA0505 碩二教室	Course Plan
59	Department of Applied Foreign Languages 應用外語系	1844 / B	Multinational Management 國際企業管理	Elective 選修	2	Chiu, Hui -Yun 邱慧昀					5-6	(AGR0302) Multimedia Language Lab., Red Building 3F 紅樓 3F AGR0302	Course Plan

60	Department of Applied Foreign Languages 應用外語系	1897	International Marketing 國際行銷	Elective 選修	2	Chiu, Hui -Yun 邱慧昀				3-4		(AGR0301) Multi-function Auditorium 文理及紅樓 3F AGR0301 多功能演講廳	Course Plan
		B											