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 / P	Course	Type	Credits	Instructor						Location	
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	2621	Heat Exchanger Design 熱交換器設計	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
		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	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											

8	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										
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	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										
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	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										

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	2615 P	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
12	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
13	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

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	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
15	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
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	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

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	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
18	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
19	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

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	0224	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
		M											
21	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	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
		M											
22	Department of Materials Science and Engineering 材料科學與工程系	1491	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
		B											

23	Master's Program, Department of Vehicle Engineering 車輛工程系-碩士班	0061	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
		M												
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	0302	Drone Principle of Communication 無人機通訊原理	Elective 選修	3	Diksha Chauhan 迪克莎喬娜						2-4	(BGC0804) Third Assembly Building 8F 綜合工程三館 8F BGC0804 飛機工程實驗室	Course Plan
		M												
25	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	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
		M												
26	Avionics Group, Department of Aeronautical Engineering 飛機工程系航空	1375	飛機維修實務 Aircraft Maintenance	Elective 選修	3	Wang, Shih-Chia 王士嘉					2-4		(AAF0201) Avonics Workshop,2F 飛機場館 2樓	Course Plan

	電子組	B	Practice								AAF0201 航電實習工場	
27	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
28	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
29	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
30	Department of Automation Engineering 自動化工程系	1151	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	Course Plan

	B										Engineering Laboratory 綜一館 5F 控制工程實驗室	
31	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
32	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
33	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

34	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	0117	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
		M												
35	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	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 Computing & Information Security Lab. 科研大樓 2F BRA0201 智慧運算與資訊安全實驗室	Course Plan
		M												
36	Department of Computer Scienceand Information Engineering 資訊工程系 碩士班	0124	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
		M												

37	Department of Computer Scienceand Information Engineering 資訊工程系	2023	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
		B											
38	Department of Computer Scienceand Information Engineering 資訊工程系	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 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	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											

No.	Department	Year / Class	Course	Type	Credits	Instructor						Location	
40	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	
41	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											
42	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											

43	Department of Electronic Engineering 電子工程系	0428 T	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
44	Department of Electronic Engineering 電子工程系	1775 B	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
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	0319 M	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
46	Master's Program in Industrial Engineering and Management, Department of	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,	Course Plan

	Engineering and Management 工業管理系工業工程與管理碩士班	M										Sciences and Management Building 8F 文理及管理大樓 8F CMA0806 專業教室 III	
47	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											
48	Master's Program, Department of Information Management 資訊管理系碩士班	0089	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
		M											
49	Master's Program, Department of Information Management 資訊管理系	0093	Intelligent image processing	Elective 選修	3	Yen-Kun Lin 林彥昆		5-7				(CMA0409) ., Applied Arts, Sciences and Management Building 4F	Course Plan

	碩士班	M	智慧影像處理										文理暨管理大樓 4F CMA0409 大數據分析電腦教室	
50	Master's Program, Department of Information Management 資訊管理系 碩士班	0092	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
		M												
51	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	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 文理及管理大樓 2F CMA0208 服務科學實驗室	Course Plan
		M												
52	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	0343	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	Course Plan
		M												

												新教學實踐教室	
53	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	0344	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
		M											
54	Master's Program in Business Management, Department of Business Administration 企業管理系經營管理碩士班	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 P+M 文理及管理大樓 B1 三創學程專業教室(1)	Course Plan
		M											
55	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											

56	Master's Program, Department of Finance 財務金融系碩士班	0030 M	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
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	0184 M	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驗室	Course Plan
58	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

59	Master's Program, Department of Leisure and Recreation 休閒遊憩系 碩士班	0212	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
		M										
60	Department of Applied Foreign Languages 應用外語系	1844	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
		B										
61	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										