

111/1 Bilingual Education Courses (111 學年度第 1 學期雙語授課課程表)

No. 編號	Department 開課系所	Course Code 課號	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 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)	2640	Dynamics of Multibody Systems 多體動力學	Elective 選修	3	Hwang, Yunn-Lin 黃運琳		2-4				(BGA0830) First Assembly Building 8th floor Computer Aided Drafting and Drawing Lab. 綜合工程一館 8F BGA0830 電腦輔助繪圖 室	Course Plan
2	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)	2639	Nonlinear System Analysis 非線性系統分析	Elective 選修	3	Hwang, Yunn-Lin 黃運琳				2-4		(BGA0760) First Assembly Building 7th floor Reverse rapid prototyping laboratory 綜合工程一館 7F BGA0760 逆向快速成型 實驗室	Course Plan

	博士班)													
3	Master's Program in Materials Science and Green Energy Engineering, Department of Materials Science and Engineering (材料科學與綠 色能源工程研究 所碩士班)	0218	Semiconductor Devices and Manufacturing Process 半導體元件與製 程	Elective 選修	3	Fang, Jau-Shiung 方昭訓						2-4	(AME0324) 3F Building of Mechanical Engineering 機 械工程館 3F 預 備教室(三) AME0324	Course Plan
4	Master's Program in Materials Science and Green Energy Engineering, Department of Materials Science and Engineering (材料科學與綠 色能源工程研究 所碩士班)	0210	Thermodynamics of Solids 固態熱力學	Required 必修	3	Tsai, Chau-Yi 蔡朝伊						9-11	(AME0324) 3F Building of Mechanical Engineering 機 械工程館 3F 預 備教室(三) AME0324	Course Plan
5	Department of Aeronautical Engineering (飛機工程系)	1387	Aircraft Maintenance Practice 飛機維修實務	Elective 選修	3	Wang, Shih-Chia 王士嘉						1-3	(AAF0101) Airport Arena 1F Aircraft Hangar	Course Plan

	(college)											飛機場館 1F 飛機教學棚廠	
6	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)	0292	Aircraft quality assurance and certification 航空品保與驗證	Elective 選修	3	Lin, Chung-Yan 林中彥					5-7	(BGC0704) 綜合工程三館 7F BGC0704 飛機液氣壓實習工場 Aircraft Hydraulic System Lab. The 3rd Complex Building 7F	<u>Course Plan</u>
7	Master's Program, Department of Automation Engineering (自動化工程系碩士班)	0051	Application for Digital Image Processing 數位影像處理實務	Elective 選修	3	Lee, Kuang- Chyi 李廣齊					7-9	(BGA0330) Computer-aided Engineering Lab 3F, Building One, Campus Two 綜合工程一館 3F 電腦輔助工程實驗室	<u>Course Plan</u>
8	Master's Program, Department of Automation Engineering	0052	Autonomous Unmanned Vehicle System 自動化無人載具	Elective 選修	3	Lee, Meng-Tse 李孟澤					5-7	(BGA0340) Seminar Room 3F, Building One, Campus	<u>Course Plan</u>

	(自動化工程系碩士班)		系統									Two 綜合工程一館 3F 研討室	
9	Department of Vehicle Engineering (車輛工程系) (college)	1235	Physics (1) 物理 (一)	Required 必修	3	Cheng-Ta Chung 鐘證達	2-3				2	The Second Teaching Building 3F ATB0302 General Classroom 第二期教學大樓 3F ATB0302 普通教室	<u>Course Plan</u>
10	Department of Vehicle Engineering (車輛工程系) (college)	1234	Introduction to Electric vehicles 電動車概論	Elective 選修	3	Tsai, Hung-Yih 蔡宏嶧	5-6	6				(ATB0302) The third floor of the second teaching building 3F General purpose classrooms 第二期教學大樓 3F ATB0302 普通教室 (ATB0301) The third floor of the second	<u>Course Plan</u>

												teaching building 3F General purpose classrooms 第二期教學大樓 3F ATB0301 普通教室	
11	Electro-Optical and Materials Science (光電工程系光電與材料科技碩士班)	0267	Integrated Optics 積體光學	Elective 選修	3	Wei-Ching Chuang 莊為群	5-7					(BGAB160) Classroom4,First Assembly Building B1 綜合工程一館 B1 預備教室四	Course Plan
12	Department Electro-Optical Engineering (光電工程系) (college)	1069	Photonic Detection 光電檢測	Elective 選修		Hung-Ji Huang 黃鴻基		9		9-10		(BGAB160) Classroom4,First Assembly Building B1 綜合工程一館 B1 預備教室四	Course Plan
13	Department of Electrical Engineering (電機工程系) (college)	1015	Science and Technology English 科技英文	Elective 選修	3	Sen-Tung Wu 吳森統			2-4			EE building, Lighting laboratory 電機館 1F BEE0105 照明實驗室	Course Plan
14	Master's Program, Department of Electrical Engineering	0126	FPGA Circuits Design FPGA 電路設計	Elective 選修	3	SUN, CHI-CHIA 宋啟嘉				2-4		BEE0502; Network Application and	Course Plan

	(電機工程系碩士班)											Chip Design Lab. 5F, Electrical 電機館 5F BEE0502 網路應用與晶片設計實驗室	
15	Master's Program, Department of Electrical Engineering (電機工程系碩士班)	0129	Embedded Systems 嵌入式系統	Elective 選修	3	SU, HUI-KAI 蘇暉凱	5-7					BEE0402; Intelligent Electronic and Application Lab. 4F, Electrical Engineering Building 電機館 4F BEE0402 智慧電子應用實驗室	<u>Course Plan</u>
16	Department of Computer Science and Information Engineering (資訊工程系) (college)	1964	Introduction to Information Engineering 資訊工程導論	Required 必修	3	TSAI, PO-HSIANG 蔡柏祥					3	(BGC0501) The 3rd Assembly Building 5F Basic electricity and professional certification Lab. 綜合工程三館 5F BGC0501 基	<u>Course Plan</u>

												本電學與證照 實驗室	
									2	2		(BGC0614) The 3rd Assembly Building 6F e-Learning Lab. 綜合工程三館 6F BGC0614 數 位學習實驗室	
									3-4			(BGC0614) The 3rd Assembly Building 6F e-Learning Lab. 綜合工程三館 6F BGC0614 數 位學習實驗室	
17	Department of Computer Science and Information Engineering (資訊工程系) (college)	2013	Microprocessor 微處理機	Required 必修	3	CHEN,KUO-YI 陳國益			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	<u>Course Plan</u>

18	Department of Computer Science and Information Engineering (資訊工程系) (college)	2024	Operation Systems 作業系統	Required 必修	3	HUANG,SHIH-CHANG 黃世昌	5-6	1			(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
19	Master's Program, Department of Computer Science and Information Engineering (資訊工程系碩士班)	0116	Intelligent Optimization Algorithm 智慧型最佳化演算法	Elective 選修	3	CHENG,CHIN-TSUNG 鄭錦聰				5-7	(BGC0305) Embedded System Software Design Lab. 綜合工程三館 3F BGC0305 嵌入式系統軟體實驗室	Course Plan
20	Master's Program, Department of Computer Science and Information Engineering (資訊工程系碩士班)	0117	Big Data Analysis 巨量資料分析	Elective 選修	3	JIANG,JI-HAN 江季翰				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	Course Plan

												實驗室	
21	Master's Program, Department of Computer Science and Information Engineering (資訊工程系碩士班)	0118	Internet of things 物聯網	Elective 選修	3	JIAN,MING-SHEN 簡銘伸					2-4	(BGC0305) Embedded System Software Design Lab. 綜合工程三館 3F BGC0305 嵌 入式系統軟體 實驗室	Course Plan
22	Master's Program, Department of Computer Science and Information Engineering (資訊工程系碩士班)	0115	Pattern Recognition 圖形識別	Elective 選修	3	LIN,WU-CHIEH 林武杰					2-4	(BGC0305) Embedded System Software Design Lab. 綜合工程三館 3F BGC0305 嵌 入式系統軟體 實驗室	Course Plan
23	Department of Mechanical and Computer-Aided Engineering (機械電腦輔助工 程系)	2346	Physics(1) 物理(一)	Required 必修	3	Yu-Sung Liu 劉育松	4				5,6	(ATB0402) Classroom 402,Building 2 第二期教學大 樓 4F ATB0402 普通教室	Course Plan
24	Master's Program in Industrial Engineering and Management, Department of	0307	Quantitative Research Methodology 數量研究方法	Required 必修	3	Hu ,Chih -Hsiung 黃俊平	2-4					Seminar Room III (CMA0806) Applied Arts, Sciences and Management	Course Plan

	Engineering and Management (工業管理系 工業工程與管理碩士班)											Building 8F 文理暨管理大樓 8F CMA0806 專業教室 (三)	
25	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)	0309	Data Mining 資料探勘	Elective 選修	3	Ying -Lien Lee 李英聯		2-4				Business Intelligence Room (CMA0305) Applied Arts, Sciences and Management Building 3F 文理暨管理大樓 3F CMA0305 企業智慧教室	<u>Course Plan</u>
26	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)	0308	Simulation 模擬學	Elective 選修	3	Hu ,Chih -Hsiung 胡智熊		2-4				Business Intelligence Room (CMA0305) Applied Arts, Sciences and Management Building 3F 文理暨管理大樓 3F CMA0305 企業智慧教室	<u>Course Plan</u>

27	Master's Program, Department of Finance (財務金融系碩士 班)	0035	Corporate Finance 公司理財	Required 必修	3	Wang, Jo-Yu 王若愚					5-7	(CHB0107) Certificate Center, Art and Humanity Building 1F 人文大樓 1F CHB0107 專業 電腦教室二	Course Plan
28	Master's Program, Department of Finance (財務金融系碩士 班)	0036	Econometrics 計量經濟學	Required 必修	3	Tsai, Feng-Tse 蔡豐澤				5-7		(CHB0107) Certificate Center, Art and Humanity Building 1F 人文大樓 1F CHB0107 專業 電腦教室二	Course Plan
29	Master Program in Business Management, Department of Business Administration (經營管理碩士 班)	0339	Marketing Management 行銷管理	Elective 選修	3	Mam-Shin Cheng 鄭錕新		7,8				(CHB0208) Art and Humanity Building 2F 人文大樓 2F CHB0208 研究 生教室	Course Plan
										2	(CMA0209) Management of Entrepreneurial &Technology		

												Lab., Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0209 創業管理實驗室	
30	Master Program in Business Management, Department of Business Administration (經營管理碩士班)	0340	Corporate Financial Management 公司財務管理	Elective 選修	3	Chi-Lin Lu 呂麒麟			5-7			(CMA0209) Management of Entrepreneurial & Technology Lab., Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0209 創業管理實驗室	Course Plan
31	Master Program in Business Management, Department of Business Administration (經營管理碩士班)	0342	Business Data Analysis 企業資料分析	Elective 選修	3	Liang, Chih-Chin 梁直青			2-4			(CMA0208) Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0208 服務科學實驗室	Course Plan
32	Master Program in	0355	Motivation and	Elective	3	Ching-Hsiang Liu			2-4			(CMA0209)	Course

	Business Management, Department of Business Administration (經營管理碩士班)		Leadership 激勵與領導	選修		劉慶湘						Management of Entrepreneurial & Technology Lab., Applied Arts, Sciences and Management Building 2F 文理暨管理大樓 2F CMA0209 創業管理實驗室	<u>Plan</u>
33	Master Program in Business Management, Department of Business Administration (經營管理碩士班)	0356	Global Marketing 全球化行銷	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	<u>Course Plan</u>
34	Master Program in Business Management, Department of Business Administration (經營管理碩士班)	0357	Entrepreneurial Management 創業管理	Elective 選修	3	Yu-Chun Chen 陳鈺淳				5-7		(CMAB108) Applied Arts, Sciences and Management Building B1 文理及管理大樓 B1 三創學程專業教室(1)	<u>Course Plan</u>
35	Master's Program,	0094	Introduction to	Electives	3	Yung-Tsung Hou	5-7					(CMA0407)	<u>Course</u>

	Department of Information Management (資訊管理系碩士班)		Business Intelligence 商業智慧	選修		侯雍聰						., Applied Arts, Sciences and Management Building 4F 文理暨管理大樓 4F CMA0407 智慧應用電腦教室	<u>Plan</u>
36	Master's Program, Department of Information Management (資訊管理系碩士班)	0096	ETL and Modeling of Big data 大數據彙整與建模	Electives 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	<u>Course Plan</u>
37	Master's Program, Department of Information Management (資訊管理系碩士班)	0090	Seminar on Information Management(1) 資訊管理專題研討(一)	Electives 選修	2	Yen-Kun Lin 林彥昆				3,4		(CMA0614) ., Applied Arts, Sciences and Management Building 6F 文理暨管理大樓 6F CMA0614 企業電子化實驗室	<u>Course Plan</u>
38	Master's Program, Department of Leisure and Recreation (休閒遊憩系碩士班)	0183	Sustainable Tourism 永續觀光	Elective 選修	3	Lin Chung-Hsien 林宗賢					5-7	(CMA0503) Master Classroom I, Applied Arts, Sciences and Management Building 5F 文理暨管理大樓 5F	<u>Course Plan</u>

												CMA0503 碩士 班教室(一)	
39	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)	0163	Human Computer Interface 人機介面互動設 計研究	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	<u>Course Plan</u>