國立臺北商業大學 日間大學部四年制 創意科技與產品設計系 課程科目表(113學年度入學新生適用)

Course List for Bachelor of Design (BDes) - 4 Years Program, Department of Creative Technologies and Product Design, School of Innovative Design and Management, National Taipei University of Business (Applicable to Students Admitted in Fall or Spring, 2024)

科目類別 Category	科目名稱 Course Title			學分數 Credit	時數 Hour	Yr1 上Fall 授課	Yr1 上Fall 實習	Yr1 下Spring 授課	Yr1 下Spring 實習	Yr2 上Fall 授課	Yr2 上Fall 實習	Yr2 下Spring 授課	Yr2 下Spring 實習	Yr3 上Fall 授課	Yr3 上Fall 實習	Yr3 下Spring 授課	Yr3 下Spring 實習	Yr4 上Fall 授課	Yr4 上Fall 實習	Yr4 下Spring 授課	Yr4 下Spring 實習	備註 Remarks
通識科目(一般科目) Liberal Arts (Compulsory)	基礎必修(語文思辨) Basic required courses (Language)	國文領域 Chinese	大學國文選(一)(二) Chinese	4	4	2		2														依年級規定修課，惟學期課程，依通識中心實際排課為準。Each course must be taken in the designated semester, which is subject to the actual arrangement of the General Education Center.
			實用中文與寫作 Practical Chinese and Writing（境外生:實用華語）(for overseas students: Practical Chinese)	2	2					2												
		英文領域 English	英文(一)(二) English(I)(II)	4	4	2		2														
			英文(三) English(III)	2	2					2												
	核心必修(公民涵養) Core required courses (Citizenship)	公民意識領域 Citizenship	依通識中心課程公告及實際開課為準	2	2											2						依年級規定修課，惟學期課程，依通識中心實際排課為準。且每一領域至少需修習2學分。Each field/domain must be taken in the designated semester, which is subject to the actual arrangement of the General Education Center. At least two credits are required for each field/domain.
		永續發展領域 sustainable development	依通識中心課程公告及實際開課為準	2	2									2								
		生活美學領域 Aesthetics	依通識中心課程公告及實際開課為準	2	2									2								
	興趣選修(跨領域選修) Elective courses (Interdisciplinary)	國際視野 Global views	依通識中心課程公告及實際開課為準	2	2							2										因興趣選修為跨領域課程，故可依學生需求，自行安排跨年度、學期選修，大一起即可自由選修，惟畢業前需修畢8學分，且其中2學分需為國際視野之英語文相關(通識教育中心訂定之)課程。Due to the interdisciplinary nature of general education, before graduation students have to take 8 credits in total for elective courses, including a mandatory 2 credits for English-related courses offered by the General Education Center.
		社會融合 Social sciences	依通識中心課程公告及實際開課為準	6	6					2		2				2						
		自然科學 Science	依通識中心課程公告及實際開課為準																			
		應用科學 Applied sciences	依通識中心課程公告及實際開課為準																			
		人文藝術 Humanities	依通識中心課程公告及實際開課為準																			
	體育 physical education			0	12	2		2		2		2		2		2						一至三年級為必修，四年級為選修，並計入應修最低畢業學分數內。Compulsory in Yr 1 to Yr 3, Elevtive in Yr 4, PE Graduation credits are included in the minimum graduation requirement.
	體育（選修） physical education(Elective)			(2)	(4)													(2)		(2)		
	全民國防教育軍事訓練 National Defense Education Military Training			(8)	(8)	(2)		(2)		(2)		(2)										選修(不計入畢業最低總學分數) Elevtive courses (Not included in the minimum graduation requirement.) 實際開課學期，依軍訓室實際排課為準。the semater of courses is subject to the actual arrangement of the Military Education Office.
	合計// Subtotal			26	38	6	0	6	0	8	0	6	0	6	0	6	0	0	0	0	0	
校訂必修 University Requirement	現代商業導論與學習方法 Introduction to Modern Business and Learning Methods			2	2	2																
	合計// Subtotal			2	2	2																
院必修 College Requirement	設計概論 INTRODUCTION TO DESIGN			2	2	2																
	基礎素描 BASIC SKETCH			3	3	3																
	基礎程式設計 INTRODUCTION TO PROGRAMMING			3	3			3														
	設計思考 DESIGN THINKING			3	3			3														
	合計// Subtotal			11	11	5		6														
	電腦輔助立體設計 3D COMPUTER-AIDED DESIGN			2	3	3																
	造形原理 PRINCIPLES OF FORM			3	3	3																
	產品表現技法 PRODUCT SKETCH			2	2			2														
	產品設計 PRODUCT DESIGN			3	3			3														
	材料與機構 MATERIAL AND MECHANISM			2	2			2														
	人因工程 HUMAN FACTORS ENGINEERING			2	3					3												
	創意科技程式應用 ADVANCED PROGRAMMING			3	3					3												
	模型製作 MODEL BUILDING			2	3					3												

本課程科目表經113年06月18日教務會議審議通過，適用113學年度入學新生。
Approved by Academic Affairs Council on June 18, 2024.

國立臺北商業大學 日間大學部四年制 創意科技與產品設計系 課程科目表(113學年度入學新生適用)
Course List for Bachelor of Design (BDes) - 4 Years Program, Department of Creative Technologies and Product Design, School of Innovative Design and Management, National Taipei University of Business
(Applicable to Students Admitted in Fall or Spring, 2024)

科目類別 Category	科目名稱 Course Title	學分數 Credit	時數 Hour	Yr1 上Fall 授課	Yr1 上Fall 實習	Yr1 下Spring 授課	Yr1 下Spring 實習	Yr2 上Fall 授課	Yr2 上Fall 實習	Yr2 下Spring 授課	Yr2 下Spring 實習	Yr3 上Fall 授課	Yr3 上Fall 實習	Yr3 下Spring 授課	Yr3 下Spring 實習	Yr4 上Fall 授課	Yr4 上Fall 實習	Yr4 下Spring 授課	Yr4 下Spring 實習	備註 Remarks
專業必修 Core Course (Compulsory)	動力機械設計 KINETIC MACHINERY DESIGN	2	2					2												
	3D列印與雷射切割實務 PRATICE OF 3D PRINTING AND LASER CUTTING	3	4							4										
	互動設計 INTERACTIVE DESIGN	3	3							3										
	網頁程式設計 WEB PROGRAMMING	3	3							3										
	智慧財產權與職場倫理 INTELLECTUAL PROPERTY PIGHTS AND WORKPLACE ETHICS	2	2							2										
	品牌設計與行銷 BRANDING AND MARKETING	3	3									3								
	前瞻科技與設計(上) FORESIGHT TECHNOLOGY AND DESIGN I	1	2									2								
	設計專題 DESIGN PROJECT	3	4									4								
	前瞻科技與設計(下) FORESIGHT TECHNOLOGY AND DESIGN II	1	2											2						
	電子商務與大數據 E-COMMERCE AND BIG DATA	3	3											3						
	畢業專題(上) GRADUATION PROJECT I	2	3											3						
	畢業專題(下) GRADUATION PROJECT II	2	3													3				
	展演規劃設計 DISPLAYING DESIGN	2	2															2		
	服務學習（大學部）SERVICE LEARNING	(2)	(2)			(2)														備註(不計入畢業最低總學分數) Not included in the minimum graduation
	合計// Subtotal	49	58	6	0	7	0	11	0	12	0	9	0	8	0	3	0	2	0	
必修合計 // Subtotal, Compulsory		62	71	13	0	13	0	11	0	12	0	9	0	8	0	3	0	2	0	
	電腦輔助平面設計 2D COMPUTER-AIDED DESIGN	3	3	3																
	產品設計美學 AESTHETICS OF PRODUCT DESIGN	2	2	2																
	計算機概論 INTRODUCTION TO COMPUTER SCIENCE	3	3	3																
	人工智慧概論 INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3	3			3														
	互動科技與藝術 INTERACTION AND MEDIA ART	2	2			2														
	色彩計畫 COLOR SCHEME	2	2			2														
	故事行銷與表達 STORY MARKETING AND EXPRESSION	2	2			2														
	進階電腦輔助立體設計 ADVANCED 3D COMPUTER-AIDED DESIGN	3	3			3														
	消費者行為 CONSUMER BEHAVIOR	2	2			2														
	3D渲染 3D RENDERING	3	3					3												
	圖文編排設計 LAYOUT DESIGN	3	3					3												
	通用設計 UNIVERSAL DESIGN	2	2					2												
	AI應用設計 AI APPLICATION DESIGN	3	3					3												
	虛幻引擎應用 UNREAL ENGINE APPLICATIONS	3	3					3												
	虛擬實境 VR	3	3							3										
	包裝結構與設計 PACKAGING DESIGN	2	2							2										
	CNC應用實務 PRATICE OF CNC APPLICATION	2	2							2										
	綜合媒材創作 MIXED MEDIA CREATION	3	3							3										
	整合設計 INTEGRATED DESIGN	2	2									2								
	擴增/混合實境 AR/MR	3	3									3								

國立臺北商業大學 日間大學部四年制 創意科技與產品設計系 課程科目表(113學年度入學新生適用)
Course List for Bachelor of Design (BDes) - 4 Years Program, Department of Creative Technologies and Product Design, School of Innovative Design and Management, National Taipei University of Business
(Applicable to Students Admitted in Fall or Spring, 2024)

科目類別 Category	科目名稱 Course Title	學分數 Credit	時數 Hour	第一學年Yr1 上Fall 授課	實習	下Spring 授課	實習	第二學年Yr2 上Fall 授課	實習	下Spring 授課	實習	第三學年Yr3 上Fall 授課	實習	下Spring 授課	實習	第四學年Yr4 上Fall 授課	實習	下Spring 授課	實習	備註 Remarks
專業選修 Elective	創業實務 ENTREPRENEURSHIP	2	2									2								
	科技與醫療產品設計 TECHNOLOGY AND MEDICAL PRODUCTDESIGN	2	2									2								
	遊戲設計 GAME DESIGN	3	3									3								
	生成式AI應用 GENERATIVE AI APPLICATION	2	2											2						
	資訊視覺化方法 INFORMATION VISUALIZATION	2	2											2						
	互動數位敘事 INTERACTIVE DIGITAL NARRATIVE	2	2											2						
	機器人設計 ROBOT DESIGN	2	2											2						
	科技英語 ENGLISH FOR TECHNOLOGY	2	2													2				
	物聯網行銷與應用 IOT MAKETING AND APPLICATIONS	2	2													2				
	使用者經驗 USER EXPERIENCE	2	2													2				
	作品集設計 PORTFOLIO DESIGN	2	2															2		
	職場實習 INTERNSHIP	2	18														18			
	職場實習 INTERNSHIP	2	18																18	
	英語訓練(畢輔) ENGLISH TRAINING	0	(2)														(2)		(2)	備註As Remark 2
	專業選修-微學分 Micro Course in Elective	2	(2)																	專業選修-微學分最高採計2學分 Maximum of 2 credits
	教學專業實習 PRACTICE OF PROFESSIONAL TEACHING	(8)	(8)	(1)		(1)		(1)		(1)		(1)		(1)		(1)		(1)		教學輔助學習學生 (不計入畢業最低總學分) Teaching assistant (Credits will be NOT counted toward total credits required for
	專題研究實習 PRACTICE OF TOPIC RESEARCH	(8)	(8)	(1)		(1)		(1)		(1)		(1)		(1)		(1)		(1)		國科會、科技部、產學合作計畫(不計入畢業最低總學分) Research assistant of the MOST projects and industry-academia cooperation projects. Credits will be NOT counted toward total credits required for
	教育專案實習 PRACTICE OF EDUCATIONAL CASE STUDY	(8)	(8)	(1)		(1)		(1)		(1)		(1)		(1)		(1)		(1)		教育部、經濟部、勞動部或其他專案計畫(不計入畢業最低總學分) Research assistant of the MOE projects, MEA projects, ML projects, and other project plans. Credits will be NOT counted toward total credits required for graduation.
合計// Subtotal		75	105	8	0	14	0	14	0	10	0	10	0	8	0	6	18	2	18	

畢業最低總學分數128(專業選修至少應修 40 學分)
Total Number of Required Credits : 128 (Minimum of Electives Reqruied: 40 Credits)

備註1: 依「本校服務學習課程實施要點」規定：自99學年度起入學之日間部學生，應於畢業前至少修習一門「服務學習課程」始得畢業，相關規定請詳閱該要點。
Remark1: Students are required to take service learning before graduation and obtain the graduation qualification. Please refer to the requirement of the university.

備註2: 依「國立臺北商業大學學生外國語言能力指標檢核要點」規定：學生應通過相關外語能力指標檢定或修習0學分每週2小時之「英語訓練(畢輔)」課程，並通過校內英檢後始得畢業，檢定標準請詳閱該要點。
Remark2: Accordnig to regeluation of professional ability thresholds of the department for graduation, students who do not meet the requirements must take and pass credits of "Professional Certificate of International Business". Please refer to the requirement of the department.

備註3: 依本校「學術倫理教育課程實施要點」規定：自107學年度起入學之大學部、專科部學生須完成「臺灣學術倫理教育資源中心」之「學術倫理教育」全部核心單元並通過總測驗，或修習其他管道之學術倫理教育課程6小時以上且持有修課證明者始得畢業。
Remark3: Students are required to take a course of academic ethics before graduation. Please refer to the requirement of the university.

備註4: 依本校「學分學程設置辦法」規定：自113學年度起入學之四技日間部學生，在學期間應至少選讀一門學程（含微學程），修畢於學位證書加註學分學程（含微學程）名稱，未修畢者得向教務處申請開列修課證明；成績及格之科目學分得計入應修最低畢業學分數內。
Remark4: Students are required to apply one program (including micro program), the program name (including micro program) will be added to the degree certificate after successfully completing. Those who have not completed it can apply for the Certification of Completion, and subject credits may be included in the minimum number of credits required for graduation.