國立陽明交通大學人文藝術與社會學院
跨領域設計與創新科技跨域學程實施要點

College of Humanities Arts and Social Sciences, National Yang Ming Chiao Tung University
Regulations for Transdisciplinary Design and Innovative Technology Cross-Domain Program

一、依據國立陽明交通大學跨域學程實施辦法，國立陽明交通大學人文藝術與社會學院(以下簡稱本院)為鼓勵學生進行跨領域學習，建立跨域學習深度，協助學生拓展第二專長，提供學生可以在畢業學分不增加(或僅少量增加)情況下，修畢跨域學程，特訂定本要點。

Article 1. According to the regulation of National Yang Ming Chiao Tung University Cross-Domain Program, College of Humanities Arts and Social Sciences (hereinafter referred to as the College) in order to encourage students to do transdisciplinary learning, to deepen cross-domain learning, to help students develop the second expertise, and to provide students finish the Cross-Domain Program in the condition of no increase of graduate credit (or only a few extra credits), we formulate the regulation.

二、本跨域學程係由本院所屬建築研究所、應用藝術研究所、傳播研究所共同提出模組課程，模組課程分為A類「設計實作」、B類「講授與專題課程」、C類「工作坊」三大類，包含本領域之基礎核心知識、設計與技術實作，總學分數28學分。學生修習本跨域學程為第二專長模組課程，可於畢業證書原系名稱後加註「跨領域設計與創新科技」為跨域專長。

Article 2. The Cross-Domain Program is a model course, which is jointly proposed by Graduate Institute of Architecture, Institute of Applied Arts, Institute of Communication Studies. The model course is comprised of A-Type "Design Practice Courses", B-Type "Lecture And Seminar Course", and C-Type "Workshop Courses", including the basic core knowledge and design & technical implementation in the field for the total 28 credits. Students, who take the model courses in Cross-Domain Program as their second expertise, are granted to add "Transdisciplinary Design and Innovative Technology" after

the title of their original department on the Certificate of Degree as cross-domain expertise.

三、本要點修業規定：

(一) 學生欲修習跨域學程且選擇「跨領域設計與創新科技」做為其跨域專長者，須向其所屬學系（以下簡稱原系）提出申請，通過原系以及本院的雙邊審查後，方可進入跨域學程。

(二) 本學程必選修課程與學分規定列示於「人文藝術與社會學院跨領域設計與創新科技跨域模組課程必選修科目表」。

(三) 本類課程優先選課權以登記學程者為優先。

Article 3. Regulation for the program:

1. Students, who want to study Cross-Domain Program and decide to take "Transdisciplinary Design and Innovative Technology" as their cross-domain expertise, must hand out the application to their original department (hereinafter referred to as the Department). After passing the bilateral reviews from the Department and the College, students are able to study the Cross-Domain Program.

2. The regulation of required & elective courses and credits is listed on "College of Humanities Arts and Social Sciences Transdisciplinary Design and Innovative Technology Cross-Domain Program Required & Elective Curriculum".

3. The Priority Right to taking the Courses are the students who registered the Program.

四、本院指定一名專任教師擔任跨域學程導師，專責輔導跨域學程的學生。

Article 4. The college has to designate a full-time teacher as mentors for the Cross-Domain Program. The teachers are specifically for tutorship of the Cross-Domain Students.

五、為鼓勵不同系所或學院合作提出跨域供授課程，由兩位以上教師開授跨領域之創新整合式課程，得依本校教師授課時數核計原則規定辦理。

Article 5. In order to encourage different departments or colleges working together for the proposal of cross-disciplinary curriculum, the number of teaching hours for the innovating integrated curriculum offered by more than two teachers could be calculated by the actual time of teaching according to National Yang Ming Chiao Tung University Teaching Hours Accounting Principle.

六、本要點如有未盡事宜，悉依本校學則及其他相關規定辦理。

Article 6. When in dispute, the program policy is superseded by NYCU regulations.

七、本要點經校級課程委員會通過後實施，修訂時亦同。

Article 7. These guidelines were approved by Curricular Committee at university level, the same shall be done upon any amendment thereto.

人文藝術與社會學院跨領域設計與創新科技 跨域模組課程 必選修科目表（B）

College of Humanities Arts and Social Sciences Transdisciplinary Design and Innovative Technology Cross-Domain Program Required& Elective Curriculum (B)"

類別 Type	科目名稱 Subject Title	學分 Credits	開課系所 Offered by	備註 Remarks
A 類 設計實作 Type A Design Practice	基本設計初階 Foundation Design（I）	3	人藝社院 CHASS	核心必修 6 學分 Core Required Courses 6 Credits
	基本設計進階 A Foundation Design（A）	3	人藝社院 CHASS	
	基本設計進階 B Foundation Design（B）	3	人藝社院 CHASS	
	設計基礎 A Design Basis A	3	人藝社院 CHASS	核心選修 6 學分 Core Elective Courses 6 credits
	設計基礎 B Design Basis B	3	人藝社院 CHASS	
	雛型設計與製作 Prototype Design and Development	3	傳播 ICS	
	數位設計與製造 Parametric Design& Production	3	人藝社院 CHASS	
	數位影像創作 Digital Image Design	3	人藝社院 CHASS	
B 類 講授與專題課程 Type B Lecture and Seminar	經典設計 Classic Design	2	人藝社院 CHASS	基礎課程 至少選修 6 學分 Basic Elective Courses 6 credits at least
	科技藝術概論 Introduction to Technology and Art	2	人藝社院 CHASS	
	多媒體人機互動概論 Introduction to Human-computer Interaction Design	3	傳播 ICS	
	藝術心理學 Psychology of Art	2	人藝社院 CHASS	
	設計概論 Introduction to Design	2	人藝社院 CHASS	
	建築概論 Introduction to Architecture	2	人藝社院 CHASS	
	建築與環境概論 Introduction to Architecture& Environment	2	人藝社院 CHASS	
	影像合成 Image Synthesis	2	人藝社院 CHASS	
	視覺藝術概論	2	人藝社院	

	Introduction of Visual Art		CHASS	3 credits at least
	網頁設計 Web Design	2	人藝社院 CHASS	
	排版印刷 Layout and Printing Design	2	人藝社院 CHASS	
	設計師需要知道的心理學 Psychology for Designers	3	應藝 IAA	
	創意城市案例分析 Creative City Case Study	2	人藝社院 CHASS	
	創意城市與永續生態 Creative City and Sustainable Ecology	2	人藝社院 CHASS	
	動漫文化與網路傳播 Anime (ACG or Otaku) Culture and Internet Communication	2	人藝社院 CHASS	
	故事與情境設計 Story and Scenario Design	2	人藝社院 CHASS	
	高齡設計 Design Thinking for The Elderly	2	人藝社院 CHASS	
	視覺敘事中的時空再現 Representation of Time-Space in Visual Narratives	2	人藝社院 CHASS	
	音樂科技導論 Introduction to Music Technology	2	人藝社院 CHASS	
	影像音訊 Audio for Video	2	人藝社院 CHASS	
	通用設計與實作 Universal Design	2	人藝社院 CHASS	
	科學與藝術的湧現 Emergence of Science and Art	2	人藝社院 CHASS	
	永續設計 Design for Sustainability	2	人藝社院 CHASS	
C 類 工作坊 Type C Workshop	美學運算 Aesthetic Computing	2	應藝 IAA	工作坊 至少選修 3 學分 Workshop Elective Courses 3 credits at least
	基礎模型製作 Fundamental Model Making	3	人藝社院 CHASS	
	智慧生活與創新設計 Smart Lives& Innovative Design	3	建築 IAR	
	當代藝術與跨域設計 Contemporary Art and Cross-Disciplinary	2	人藝社院 CHASS	

	Design		
	音樂、媒介與說故事 Music, Media and Storytelling	2	博雅書苑 LAC
	形象探索 Exploring Form and Image	2	人藝社院 CHASS
	人工智慧與設計 Artificial Intelligence and Design	3	人藝社院 CHASS
	動畫創作與傳播實務 Animation Production and Communication Practice	2	人藝社院 CHASS
	聲音藝術與科技跨域 Sound Art and Technology	3	人藝社院 CHASS
	XR 輔助產品設計 Product Design with XR Assistance	3	應藝 IAA
	金工概論與美學設計 Introduction to Metalwork and Esthetic Design	3	人藝社院 CHASS
	配樂製作(一) Scoring for Film and Multimedia I	3	人藝社院 CHASS
	策展實踐 Curatorial Practice	2	建築 IAR
	永續發展與設計實踐-服務學習(二) Sustainable Development and Design Practice-Service Learning II	3	服學中心 GESL
	文化與創意設計 Cultural and Creative Design	2	人藝社院 CHASS
	模型製作與材料 Prototype and Model Making	3	人藝社院 CHASS
	金工基礎與跨域設計 Fundamentals of Metalsmithing and Cross Disciplinary Design	3	人藝社院 CHASS
	設計運算與人機互動 Design Computation & Human-Machine Interface	3	人藝社院 CHASS
	電腦輔助繪圖-快速設計提案 Computer-Aided Design	3	人藝社院 CHASS

	創意設計與基礎運用 Creative Design	2	人藝社院 CHASS	
	數位安康 Digital Well-being	2	博雅書苑 LAC	
	電腦輔助繪圖-進階 Computer Aided Product Design	3	人藝社院 CHASS	
	創意機器人 Creative Robotics	3	人藝社院 CHASS	
	基礎木工榫接 Training Course on Basic Woodworking Joints	3	人藝社院 CHASS	
	生活木工榫接 Training Course on Living carpentry	3	人藝社院 CHASS	
	家具設計與製作 Training Course on Furniture design and production	3	人藝社院 CHASS	
總學分 Total Credits				28 學分 28 Credits

修畢本跨域學程（28 學分），於畢業證書加註「跨域專長：跨領域設計與創新科技」。

Students who complete the required courses (28 Credits) will be granted to add Transdisciplinary Design and Innovative Technology" on the Certificate of Degree.

創意設計與基礎運用
Creative Design

數位安康
Digital Well-being

電腦輔助繪圖-進階
Computer Aided Product Design

創意機器人
Creative Robotics

基礎木工榫接
Training Course on Basic Woodworking Joints

生活木工榫接
Training Course on Living carpentry

家具設計與製作
Training Course on Furniture design and production