國立交通大學人文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 and Social Sciences, National Chiao Tung University
Regulations for Transdisciplinary Design And Innovative Technology Cross-Domain Program

一、依據國立交通大學跨域學程實施辦法，國立交通大學人文社會學院(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 Chiao Tung University Cross-Domain Program, College of Humanities 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 little increase), 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 their original department title 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「跨領域創新科技設計」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『人文社會學院跨領域創新科技設計 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 Study:

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), as well as passing the bilateral reviews from the Department and the College, are able to study the Cross-Domain Program.

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

3. The Priority Right to 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鐘點核計原則第九條第六款規定，教師的授課鐘點數可按到場時數計，但已開課前該門課程之實際簽呈為依據。

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 Subparagraph 6, Article 9 of National Chiao Tung University Teaching Hours Accounting Principle; however, it will be in accordance with the official approval of the curriculum before the course starts.

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 NCTU regulations.

七、本要點經校級課程委員會通過並提教務會議核備後實施，修訂時亦同。

Article 7. The Regulation will be implemented after being passed at the Curriculum Committee Meeting of university level. The same procedure will be applied if the regulation is amended.

人文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 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	建築、應藝 IAR, IAA	核心必修 6 學分 Core Required Courses 6 Credits
	基本設計進階 Foundation Design（Ⅱ）	3	建築、應藝 IAR, IAA	
	設計基礎(一) Design Basis (I)	3	建築、應藝 IAR, IAA	核心選修 6 學分 Core Elective Courses 6 Credits
	設計基礎(二) Design Basis (II)	3	建築、應藝 IAR, IAA	
	雛形設計與製作 Prototype Design and Development	3	傳播 ICS	
	數位設計與製造 Parametric Design& Production	3	建築 IAR	
	設計運算與人機互動 Design Computation& Human-Machine Interface	3	建築 IAR	
B 類 講授與專題課程 Type B Lecture and Seminar	經典設計 Classic Design	2	建築、應藝 IAR, IAA	基礎課程 至少選修 6 學分 Basic Elective Courses at least 6 Credits
	科技藝術概論 Introduction to Technology and Art	2	建築、應藝 IAR, IAA	
	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	應藝 IAA	
	設計概論 Introduction to Design	2	應藝 IAA	
	建築概論 Introduction to Architecture	2	建築 IAR	
	建築與環境概論 Introduction to Architecture& Environment	2	建築 IAR	
	影像合成 Image Synthesis	2	應藝 IAA	
	視覺藝術概論	2	應藝	

	Introduction to Visual		IAA	
	網頁設計 Web Design	2	應藝 IAA	
	排版印刷 Layout and Printing Design	2	應藝 IAA	
	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	建築 IAR	
	創意城市與永續生態 Creative City and Sustainable Ecology	2	建築 IAR	
	跨領域整合與創新 Transdisciplinary Integration and Innovation	2	建築 IAR	
	跨領域玩設計：從創意到創作 Multidisciplinary Design: From Creativity to Creation	2	建築 IAR	
	長照臨終的服務設計-服務學習(二) Service Design for Long-Term Care and Hospice Care:(Service-Learning Part II)	2	應藝 IAA	
	電腦輔助工業設計 Computer-aided Industrial Design	3	應藝 IAA	
	動漫文化與網路傳播 Anime(ACG or Otaku) Culture and Internet Communication	3	傳播 ICS	
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 at least 3 Credits
	基礎模型製作 Fundamental Model Making	2	應藝 IAA	
	智慧生活與場域義築-服務學習二 Smart Lives& Field Humanitarian Architecture	3	建築 IAR	
	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 Design	2	建築 IAR	
	聲音織物 Sounding Textiles	3	應藝 IAA	

	形象探索 Exploring Form and Image	2	建築 IAR	
	人工智慧與設計 Artificial intelligence and design	3	建築 IAR	
	動畫創作與傳播實務 Animation Production and Communication Practice	2	傳播 ICS	
	計算人文與創造力工作坊：由圖形理 論談起 A Computational Journey Towards Humanities and Creativity: Starting from Graphs	3	建築 IAR	
	聲音藝術與科技跨域 Sound Art and Technology	2	建築 IAR	
	產品設計之數位表現技法 Digital Sketching for Product Design	3	應藝 IAA	
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.