國立陽明交通大學護理學系「智慧健康照護跨域學程」實施要點
National Yang Ming Chiao Tung University
College of Nursing
Implementation Guidelines for Cross-Disciplinary Smart Health Care

一、依據國立陽明交通大學跨域學程實施辦法，國立陽明交通大學護理系(以下簡稱本系)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，特訂定本實施要點。

I. These Implementation Guidelines are prescribed by National Yang Ming Chiao Tung University School of Nursing (hereinafter referred to as Our Department) based on NYCU Cross-Disciplinary Program Implementation Regulations to provide the opportunity for students to proceed cross-disciplinary learning with a few extra credits in order to encourage students to conduct cross-disciplinary study, provide students with the ability to complete the cross-domain program without increasing (or only a small increase) in graduation credits, build the depth of cross-disciplinary study, and assist students in expanding second specialty.

二、依據國立陽明交通大學跨域學程實施辦法，本系學生修習「智慧健康照護跨域學程」(以下簡稱本學程)，於修畢後可於畢業證書上加註「智慧健康照護」為跨域專長。

II. According to NYCU Implementation Guidelines for Cross-Disciplinary Program, students in School of Nursing could be remarked as "Smart Health Care" on their diploma once they complete this program.

三、本要點實施細節

1. 適用對象：本系108學年度（含）之後入學之學士班學生均適用本要點。

2. 申請程序：

    (1)得於每學年下學期向本系提出申請，經本系、醫學系及資訊工程系課程委員會審查通過後，方可修習本學程。

    (2)本學程的課程列示於「護理學系『智慧健康照護跨域學程』必修科目表」，其課程包含：共同必修6學分、資訊工程模組9學分、選修15學分(共30學分)，畢業學分至少142分。本系選擇跨域學程為畢業條件者，依本系必修科目表規定。

    (3)修習本學程之學生，若無法完成(2)中所規定之課程，可回復修習原護理學系的學士學位課程。

(4)除必修科目表備註可以抵免之科目外，其餘抵免皆需遞送免修申請表。

(5)跨域模組課程與學生本系應修課程及學分重複者，由醫學系、資訊工程學系指定之相關選修課程補足。

III. Guidelines in detail

1. People applicable to this program: undergraduate students enrolled at Our Department in or after 2019.

2. Procedure to apply for this program:

   a) Students can apply it to the department at the next semester each academic year, and they can take this course after review and approval by the course committee of the department and the Department of Information Engineering.

   b) The courses of this program are listed in the "Department of Nursing "Smart Health Care Cross-Domain Courses" Compulsory Subject List". The courses include: common compulsory 6 credits, information engineering module 9 credits, and elective 15 credits (total 30 credits), at least 142 credits for graduation. If students choose a cross-domain course as a graduation requirement, it shall be in accordance with the requirements of the department's compulsory subject schedule.

   c) If students who have taken this course are unable to complete the courses specified in (2), they can return and take credits of the bachelor degree program at their original Department, which means Nursing Department.

   d) Except for the subjects that can be exempted (listed in the compulsory subject list), all other credits need to be sent the exemption application form.

   e) If the cross-domain module course and the course as well as credits of the student's department are duplicate, they will be supplemented by the relevant elective courses designated by School of Medicine and the CS departments.

四、本系指定一名專任教師擔任跨域學程導師，與醫學系、資訊工程學系的跨域學程導師組成導師群，專責輔導跨域學程的學生。

IV. Our department assigned one full-time teacher to be the mentor of the cross-disciplinary program and formed mentor group with teachers of cross- disciplinary program at other departments to give guidance to cross-disciplinary program students.

五、本要點如遇修訂，須主動知會醫學系、資訊工程學系。

V. Our Department should notify School of Medicine and the CS Departments if the guidelines need to be revised.

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。

VI. If there is any unaccomplished matter of these guidelines, it shall be handled in accordance with the school constitution of our university as well as other relevant regulations.

七、本要點經各級課程委員會審查通過後實施，修訂時亦同。

VII. The Guidelines were approved by Curricular Committee at department, college and university level before putting it into practice; the same shall be done upon any amendment thereto.

護理學系「智慧健康照護跨域學程」必修科目表
Courses for the students of School of Nursing
Cross-Disciplinary Program of Smart Health Care

類別 Category	選別 Classification	科目名稱 Courses	學分 Credits	開課系所 Dept.	備註 Remarks
本系學分 (112學分)	校定必修(含共同必修24學分)，基礎學科及醫學課程21學分，專業核心科目(含實習)63學分，導師課程4學分 General required course: 24 credits Fundamental and medical course: 21 credits Professional core subject (internship included): 63 credits Mentor: 4 credits				
智慧健康照護跨域模組（30學分）修畢於畢業證書加註「智慧健康照護」 Cross-Disciplinary Smart Health Care (30 credits) Once students finish the program, the name of "Smart Health Care" shall be remarked.	共同必修(6學分) General courses (6 credits)	照護科技跨域專題(I)	2	醫學系/護理系/資工系	詳細課程名稱依當學期公告。 Detailed subject name will be announced.
		照護科技跨域專題(II)	2		
		健康照護數位轉型講座	2		
	資訊工程模組(9學分)	計算機概論與程式設計	3	資工系	*限非資訊工程學系學生選修 *資訊工程學系課程擋修制度及相關規定請參閱「國立陽明交通大學資訊工程學系學士班修業辦法」 Only for students who don't major in CS. For the CS prerequisite of some important courses in CS, please check the CS regulations
		資料結構與物件導向程式設計	3	資工系	
		演算法概論	3	資工系	
		基礎程式設計	0	資工系	本課程及格條件為「通過能力檢定」 Pass= passing Basic Computer Programming Exam
	選修(15學分) Elective 15 credits	公共衛生概論	1	醫學系	*「醫療與社會人文」與「進階公共衛生議題」為領域課程 *詳細課程名稱依當學期公告 Detailed subject name will be announced.
		醫事法律	1	醫學系	
		醫學影像原理與實務	2	醫學系	
		機器學習概論與實作	3	醫學系	
		生醫資料、訊號及影像的人工智慧	2	醫學系	
		醫療經濟學	2	醫學系	
		醫療與社會人文	2	醫學系	
		進階公共衛生議題	1	醫學系	
		人工智慧醫學影像應用專題研究	3	醫學系	
		數位醫學專題研究	3	醫學系	
		生醫科學與藥物發展的新知與前瞻	2	醫學系	

護理專業問題研討	2	護理系	
護理學導論	2	護理系	
傳播科技與健康照護	2	護理系	
看得到、找得到、用得到的長期照顧	2	護理系	
精神衛生護理學	3	護理系	
人類發展學(含實習)	3	護理系	
教學原理與教學法	2	護理系	
離散數學	3	資工系	
線性代數	3	資工系	
作業系統概論	3	資工系	
計算機組織	3	資工系	
數位電路設計	3	資工系	
計算機網路概論	3	資工系	
影像處理概論	3	資工系	
人工智慧概論	3	資工系	
資料庫系統概論	3	資工系	
機器學習概論	3	資工系	至少選修9學分
計算機圖學概論	3	資工系	9 credits at least
資料探勘	3	資工系	
巨量資料分析技術與應用	3	資工系	
資料視覺化與視覺分析	3	資工系	
網路程式設計概論	3	資工系	
網路安全	3	資工系	
數位訊號處理概論	3	資工系	
訊號與系統	3	資工系	
電腦視覺	3	資工系	
圖形識別	3	資工系	

備註：重要課程擋修制度請參閱本系學士班修業辦法。
For the prerequisite of some important courses, please check the bachelor degree regulations.