

國立陽明交通大學遠距教學課程－教學計畫大綱
The Teaching Plan for Distance Learning Courses of National Yang Ming Chiao
Tung University

填表說明：

Description:

1. 開授遠距教學課程，應由開課單位擬具教學計畫，依課程規劃及研議程序辦理，經教務相關之校級會議通過後實施；本教學計畫大綱會上傳至教育部「大學校院課程網」。
The teaching plan for a distance learning course should be made by the course provider, based on the curriculum plan and study procedures, and then be submitted to a university-level meeting related to academic affairs for approval before the course can be conducted. It will be uploaded to the "University Curriculum Website" of the Ministry of Education.
2. 同一教師 得針對課程名稱或性質相近之課程再次申請授課時數加計。
Teachers are not allowed to apply for additional teaching hours again using their courses with similar titles or natures.

開課期間： 112 學年度 第 二 學期

Course Period: _____ Semester of Academic Year _____

- 首次開設之「遠距課程」： ☒ 是(請續勾選下題一或題二) ☐ 否(以下免勾選)

Offering the "Distance course" for the first time:

☐ Yes (please check the boxes in Table 1 or 2 below) ☐ No (no need to check the following boxes)

- 請教師先確認本次申請加計1.5倍之課程 ☐ 是 ☒ 否 為「課程名稱」或「性質相近」之課程

(不申請加計1.5倍者免填)

Please confirm that the course for which you are applying for 1.5 times teaching hours this time is a course of the same "course name" or of "similar nature" (yes or no)

(if not applicable, there's no need to check the boxes below)

- 一、 此為上或下學期首次開設遠距課程，是否要申請加計授課時數1.5倍： ☒ 要申請 ☐ 不申請

This is the first time you're offering a distance course in the first or second semester. Do you need to apply for 1.5 times teaching hours: ☐ Yes ☐ No

- 二、 此為暑期首次開設遠距課程，是否要申請加計授課時數1.5倍：(非暑期課程免填)

This is the first time you're offering a distance course in the summer term. Do you need to apply for 1.5 times teaching hours: (if not applicable, there's no need to check a box below)

☐ 要申請(不支領暑期授課鐘點費，改列計為次學年授課時數加計1.5倍)

☐ Yes (I don't want to get paid for the summer course. Instead, I'd like to have it credited to the teaching hours in the following academic year.)

☐ 不申請

☐ No

壹、課程基本資料 (有包含者請於□打)

1. Basic information (Check a box if applicable)

1	課程名稱 Course name	進階藥理學
2	課程英文名稱 Course name in English	Advanced Pharmacology
3	永久課號 Permanent Course ID	NS CN 30069
4	當期課號 Course Number	141506
5	教學型態 Teaching style *本校遠距教學課程定義: *NYCU's definition of a distance learning course: (1) 係指本校修課學生皆以遠距線上方式進行學習之課程。 A courses that is delivered remotely, meaning that students receive instruction online. (2) 遠距(同步及非同步)授課時 超過總授課時 二分之一。 A course in which distance learning sessions (synchronous and asynchronous) account for more than half of its total teaching hours.	<input type="checkbox"/> 非同步遠距課程 Asynchronous distance course <input checked="" type="checkbox"/> 同步遠距課程 Synchronous distance course 請填列本校課程主播而外校收播之校名與系所: (無則免填) If the course is broadcast by NYCU while received by other university, please fill in its name and department: (if not applicable, leave it blank) 外校名稱: _____ 外校系所: _____ Name of the other university: _____ Name of the department: _____ *與國外學校有合作遠距課程, 請填列 (無則免填): Please list the cooperative distance courses you're having with a foreign university (if not applicable, leave it blank): 國外合作學校與系所名稱: _____ Name of the foreign university and its department: _____ <input type="checkbox"/> 國內主播 Course offered and broadcast by NYCU <input type="checkbox"/> 境外專班 Overseas Master Degree Program offered by NYCU <input type="checkbox"/> 雙聯學制 Dual Degree Program <input type="checkbox"/> 其他 Others
6	授課教師姓名及職稱 Name and position of the teacher	(1) 姓名 Name: 胡慧蘭、童恆新、劉佩青 (2) 職稱 Position: 教授、教授、助理教授
7	開課單位名稱(或所屬學院及科系所名稱) Name of the course provider (or the college and department)	主開系所 Main department offering the course: 護理系碩士在職專班 輔開系所 Department(s) offering assistance:

8	課程學制 Course structure	<input type="checkbox"/> 學士班 Bachelor's Degree Program <input type="checkbox"/> 碩士班 Master's Degree Program <input checked="" type="checkbox"/> 碩士在職專班 In-service Master's Program <input type="checkbox"/> 博士班 PhD Program <input type="checkbox"/> 學位學程 (<input type="checkbox"/> 四年制 <input type="checkbox"/> 碩士班 <input type="checkbox"/> 博士班) Degree program (<input type="checkbox"/> 4-year program <input type="checkbox"/> Master's program <input type="checkbox"/> PhD Program) <input type="checkbox"/> 學分學程 Credit program
9	科目類別 Subject Type	<input checked="" type="checkbox"/> 共同科目 Common Subject <input type="checkbox"/> 通識科目 General Education Subject <input type="checkbox"/> 校定科目 NYCU-determined Subject <input type="checkbox"/> 專業科目 Professional Subject <input type="checkbox"/> 教育科目 Educational Subject <input type="checkbox"/> 其他 Others
10	選課別 Course Type	<input checked="" type="checkbox"/> 必修 Required <input type="checkbox"/> 選修 Elective <input type="checkbox"/> 其他 Others
11	學分數 No. of Credits	2
12	每週上課時數 No. of teaching hours per week	2 *每週上課時數：同步遠距課程請填入每週「面授」及「同步」之合計上課時數。若無法界定每週時數，填入每週平均時數（即學期總「面授」+「同步」時數除以總課程週數）；非同步遠距教學，請填平均每週非同步授課時數。 *Teaching hours per week: For synchronous distance learning, please fill in the total hours of "face-to-face" and "synchronous" teaching sessions per week. If the teaching hours cannot be calculated, just fill in the average number of hours per week (total hours of "face-to-face" + "synchronous" sessions divided by the total number of the course weeks); for asynchronous distance learning, please fill in the hours of asynchronous teaching sessions per week.
13	開課班級數 No. of classes	1
14	預計總修課人數 Expected No. of students taking the course	20
15	全英語教學 Course taught in English only	<input type="checkbox"/> 是 Yes <input checked="" type="checkbox"/> 否 No
16	課程平臺網址（非同步教學必填） Course platform website (required for asynchronous teaching)	<input type="checkbox"/> E3非同步遠距教學 E3 Asynchronous distance learning course <input checked="" type="checkbox"/> E3同步遠距教學 E3 Synchronous distance learning course <input type="checkbox"/> E3&CS100教室(同步) E3 & CS100 classroom (synchronous) <input type="checkbox"/> 其他 Others: _____

貳、課程教學計畫

2. The Teaching Plan

1.	教學目標 Teaching objectives	This course focuses on developing advanced knowledge of pharmacology in acute and chronic disease management across life cycle. Principles of clinical pharmacology, therapeutics, pharmacokinetics and drug metabolism will be introduced. Major drug classes will be discussed in relation to whole body systems, with emphasis on the application of these agents with considerations in children, adults, pregnant women, and elderly. The course builds upon students' undergraduate education and graduate courses, particularly their pathophysiology, pharmacology, and clinical experience. This course is student-focused and prepares APNs' clinical reasoning skills and competency to accurately prescribe with doctors, administer, and provide consultation to patients and healthcare professional a safe, appropriate, and effective medication management. In addition, APNs will be prepared for medication prescriptive authority within their scope of practice.																																		
2.	適合修習對象 Target students	開放全學院碩、博班學生選修。																																		
3.	課程內容大綱 Course outline	<p>(請填寫每週次的授課內容及授課方式; 授課方式請填時數) (please fill in course contents and teaching method for each week; fill in number of teaching hours for the teaching methods)</p> <table><tr><th rowspan="3">週次 Week</th><th rowspan="3">授課內容 Contents of the course</th><th colspan="3">授課方式及時數 Teaching methods and hours (請填時數, 無則免填) (fill in the number of hours, leave it blank if you don't have anything to include)</th></tr><tr><th rowspan="2">面授 Face-to-face teaching</th><th colspan="2">遠距教學 Distance learning</th></tr><tr><th>非同步 Asynchronous</th><th>同步 Synchronous</th></tr><tr><td>1</td><td>進階護理師處方開立相關規範與用藥安全維護</td><td></td><td></td><td>2</td></tr><tr><td>2</td><td>臨床藥物動力學應用</td><td></td><td></td><td>2</td></tr><tr><td>3</td><td>心血管系統 I : Cardiovascular drugs: (inotropic drugs, anti-angina drugs, and antihypertensive drugs, diuretics)升壓與降壓</td><td></td><td></td><td>2</td></tr><tr><td>4</td><td>心血管系統 II :Cardiovascul</td><td></td><td></td><td>2</td></tr></table>					週次 Week	授課內容 Contents of the course	授課方式及時數 Teaching methods and hours (請填時數, 無則免填) (fill in the number of hours, leave it blank if you don't have anything to include)			面授 Face-to-face teaching	遠距教學 Distance learning		非同步 Asynchronous	同步 Synchronous	1	進階護理師處方開立相關規範與用藥安全維護			2	2	臨床藥物動力學應用			2	3	心血管系統 I : Cardiovascular drugs: (inotropic drugs, anti-angina drugs, and antihypertensive drugs, diuretics)升壓與降壓			2	4	心血管系統 II :Cardiovascul			2
週次 Week	授課內容 Contents of the course	授課方式及時數 Teaching methods and hours (請填時數, 無則免填) (fill in the number of hours, leave it blank if you don't have anything to include)																																		
		面授 Face-to-face teaching	遠距教學 Distance learning																																	
			非同步 Asynchronous	同步 Synchronous																																
1	進階護理師處方開立相關規範與用藥安全維護			2																																
2	臨床藥物動力學應用			2																																
3	心血管系統 I : Cardiovascular drugs: (inotropic drugs, anti-angina drugs, and antihypertensive drugs, diuretics)升壓與降壓			2																																
4	心血管系統 II :Cardiovascul			2																																

				ar drugs: (anti-lipid drugs, anticoagulants, anti-platelets, and drugs for deficiency anemia)				
		5	腸胃系統: Drugs influencing the GI tract (GERD, Peptic ulcer disease, laxatives & anti-diarrheal drugs, & antiemetic drugs), and vitamins				2	
		6	呼吸系統: Respiratory medications to treat acute and chronic respirator conditions, e.g. asthma, COPD, pneumonia, bronchitis				2	
		7	內分泌系統: Endocrine drugs to treat diabetes, thyroid conditions, and obesity				2	
		8	泌尿系統: Medication management in patients with common urological problems			2		
		9	感染疾病: Medication management for bacteria and virus infections				2	

			10	心理健康衛生: Psychopharmacology: sedative-hypnotic agents, antipsychotic, antidepressant, and antianxiety agents in both acute and chronic status (處方、調整、停藥)			2	
			11	疼痛管理: Pain management		2		
			12	癌症用藥: Chemotherapeutic agents and immunotherapy			2	
			13	APN's role and functions in medication prescription and management in Taiwan: students presentation and discussion (difficulties and solutions)			2	
			14	Case discussion and course evaluation			2	
			15	孕產期(含哺乳)及婦產藥物使用: Pharmacology and application of medications for reproduction, contraception, and common			2	

			women health conditions				
		16	高齡用藥:藥物不良反應與用藥疏失 Pharmacology and consideration of medication use in geriatric populations (cognitive impairment)			2	
4.	教學方式 Teaching methods	<p>(有包含者請打，可複選) (Check a box if applicable; select one or more answer choices)</p> <p><input checked="" type="checkbox"/> (1) 提供線上課程主要及補充教材 Main and supplementary teaching materials are provided for online courses</p> <p><input checked="" type="checkbox"/> (2) 有線上教師或線上助教 Online teachers or teaching assistants are available.</p> <p><input type="checkbox"/> (3) 提供線上非同步教學，次數：____次，總時數：____小時 Online asynchronous teaching sessions are provided: ____ time(s), with a total of ____ hours</p> <p><input checked="" type="checkbox"/> (4) 提供面授教學，次數：____次，總時數：____小時 Face-to-face teaching is provided: ____ time(s), with a total of ____ hours</p> <p><input checked="" type="checkbox"/> (5) 提供線上同步教學，次數：14 次，總時數：28 小時 Online synchronous teaching sessions are provided: ____ time(s), with a total of ____ hours</p> <p><input type="checkbox"/> (6) 其它：(請說明) Other options (Details here):</p>					
5.	教科書及參考書資料 Textbooks and reference materials	<p>1. 教科書 Textbooks: Lehne, R. A. (2016). Pharmacology for Nursing Care. Saunders Elsevier: St. Louis, MO, 8th edition. ISBN: 9781437735826 Whalen, K. (2018). Lippincott's Illustrated Reviews: Pharmacology, 7th edition, Lippincott W&W. ISBN: 149638413X</p> <p>2. 講義 Handouts:</p> <p>3. 參考資料 Reference materials:</p> <p>4. 相關網站 Related websites:</p>					
6.	於 E3系統所提供的學習活動 Learning activities offered by the E3 system	<p>請勾選以下會使用之 E3功能 Please check the E3 features that you will use</p> <p><input checked="" type="checkbox"/> 最新消息發佈、瀏覽 Releasing and browsing the latest news</p> <p><input checked="" type="checkbox"/> 教材內容設計、觀看、下載 Designing, viewing or downloading the contents of teaching materials</p> <p><input type="checkbox"/> 成績系統管理及查詢 Managing and inquiring the system that keeps track of student grades</p> <p><input type="checkbox"/> 進行線上測驗、發佈 Conducting or releasing an online test</p> <p><input checked="" type="checkbox"/> 學習資訊 Gaining access to learning information</p> <p><input checked="" type="checkbox"/> 互動式學習設計(聊天室或討論區) Designing interactive learning</p>					

		(through a chat room or discussion forum) <input type="checkbox"/> 各種教學活動之功能呈現 Presenting the benefits of all teaching activities <input type="checkbox"/> 其他相關功能（請說明） Other features (Details here)
7.	師生互動討論方式 How teacher-student discussion is conducted	<input checked="" type="checkbox"/> 線上討論 Online discussion: <input checked="" type="checkbox"/> 面談 Face-to-face discussion: <input type="checkbox"/> 其他 Others :
8.	作業繳交方式 How assignments are submitted	(有包含者請打，可複選) (Check a box if applicable; select one or more answer choices) <input checked="" type="checkbox"/> (1)提供線上說明作業內容 Offering online instructions on how assignments should be done <input type="checkbox"/> (2)線上即時作業填答 Allowing students to complete online assignments in real time <input checked="" type="checkbox"/> (3)作業檔案上傳及下載 Allowing students to upload and download assignments <input type="checkbox"/> (4)線上測驗 Providing online tests <input type="checkbox"/> (5)成績查詢 Allowing grade inquiry <input type="checkbox"/> (6)其他做法（請說明） Others (Details here):
9.	成績評量方式 How performance is evaluated	(1) 考試方式 How tests are conducted : (2) 考評項目其所佔總分比率 Evaluation items, with their percentage of the total score : 1.Class participation 10% 2.APN's role and function in medication management in Taiwan: presentation 25% 3.The difficulties and solutions in APN's prescribing practices (5 pages, not including references) 20% 4.Final report: Case study presentation 25% (15 minutes, 5 minutes Q&A) Case study 20% (10 pages, not including references)
10.	上課注意事項 Other classroom rules	

請注意：教師授課使用之教材，不得非法重製，並應遵守著作財產權之相關規定，如有涉及犯罪或侵權行為應負相關法律責任。建議老師參考主管機關之教師授課著作權錦囊(連結經濟部智慧財產局)
<https://topic.tipo.gov.tw/copyright-tw/cp-415-855924-5dd9b-301.html>
 Notice: Teaching materials should never be reproduced illegally and should meet the requirements for copyright protection. Copyright infringers will be held accountable legally. Teachers are advised to read Tips on Copyright for Teachers (Here is a link to the website of the Intellectual Property Office, MOEA)
<https://topic.tipo.gov.tw/copyright-tw/cp-415-855924-5dd9b-301.html>

申請教師簽章： 胡慧蘭
Signature of applicant:

開課單位主管簽章： 護理學系 童恒新
Signature of head of course provider: