The Teaching Plan for Distance Learning Courses of NYCU

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.同一教師不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:113學年度 第1學期
Course Period:Semester of Academic Year
一、首次開設之「遠距課程」: □是(請續下題1或題2打■) ■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)
二、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)
1.此為 <u>上或下學期</u> 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
2.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	巨量資料分析
2	課程英文名稱	Big Data Analytics
	Course name in English	
3	永久課號 Permanent Course ID	MGMT30081
4	當期課號 Course Number	557806
	教學型態	■非同步遠距課程 Asynchronous distance course
	Teaching style	■同步遠距課程 Synchronous distance course
5	*本校遠距教學課程定義: *NYCU's definition of a distance learning 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

	(1)係指本校修課學生皆以遠距線	applicable, leave it blank)
	上方式進行學習之課程。	外校名稱:
	A courses that is delivered	Name of the other university:
	remotely, meaning that students	Name of the department: *與國外學校有合作遠距課程,請填列 (無則免填):
	receive instruction online.	Please list the cooperative distance courses you're having with a
	(2)遠距(同步及非同步)授課時數	foreign university (if not applicable, leave it blank):
	超過總授課時數二分之一。	Torongin university (if not approaute, leave it stank).
	A course in which distance learning sessions (synchronous and	國外合作學校與系所名稱:
	asynchronous) account for more	Name of the foreign university and its department:
	than half of its total teaching hours.	
	8	□國內主播 Course offered and broadcast by NYCU
		□境外專班 Overseas Master Degree Program offered by NYCU
		□雙聯學制 Dual Degree Program
		□其他 Others
	授課教師姓名及職稱	(1)姓名 Name:陳姵樺
6	Name and position of the teacher	
	28 12 12 12 12 12 14 de	(2) 職稱 Position: 副教授
	開課單位名稱	主開系所 Main department offering the course:
7	Name of the course provider (or the college and department)	科管專班
		輔開系所 Department(s) offering assistance:
	課程學制	□學士班 Bachelor's Degree Program
	Course structure	□碩士班 Master's Degree Program
		■碩士在職專班 In-service Master's Program
8		□博士班 PhD Program
		□學位學程(□四年制 □碩士班 □博士班)
		Degree program
		(4-year program Master's program PhD Program)
		□學分學程 Credit program
	科目類別 Suligat Tanga	□共同科目 Common Subject
	Subject Type	□ 通識科目 General Education Subject
9		□校定科目 NYCU-determined Subject
		專業科目 Professional Subject
		□教育科目 Educational Subject
1.0	JP JP 41 C	□其他 Others
10	選課別 Course Type	□必修 Required ■選修 Elective □其他 Others
11	學分數 No. of Credits	3
	每週上課時數	3
	No. of teaching hours per week	*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
10		授課時數。
12		*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
13	開課班級數 No. of classes	fill in the hours of asynchronous teaching sessions per week. 1
	預計總修課人數	15
14	頂可想で新入製 Expected No. of students taking the course	1.0
1.5	全英語教學	
15	Course taught in English only	□是 Yes ■ To No
16	課程平臺網址(非同步教學必	■ E3非同步遠距教學 E3 Asynchronous distance learning course

Course platform website (required	Course platform website (required	□ E3同步遠距教學 E3 Synchronous distance learning course □ E3&CS100教室(同步)E3 & CS100 classroom (synchronous)
for asynchronous teaching)	for asynchronous teaching)	possessi and a second s

貳、課程教學計畫

2.	The Teaching Plan					
1	教學目標	本課程分	介紹各種統計/機器	學習分析方法	·,並學習使用 Pv	thon 軟體進行資
1	Teaching objectives		與判讀結果。		- , -, , , ,	11/102
	適合修習對象	修過統訂	計學之商管碩士班	或在職專班學	生,曾學過 Pytho	n 或願音自學為
2	Target students	佳。			2, 4 1 2 1 , 6110	11 3/18/20日子初
	課程內容大綱	(請填寫	寫每週次的授課內沒	容及授課方式	; 授課方式請埴時	- 對)
	Course outline		ill in course content			
		number	of teaching hours fo	r the teaching	methods)	
				3	授課方式及時數	ŧ
				Tea	nching methods and	
		(請填時數			(請填時數,無則免buber of hours, leave it	
1		週次	授課內容 Contents of the			
		Week	course	面授	have anything to include) 遠距教學	
	<u></u>			Face-to-	Distance	learning
				face	非同步	同步
			//200	teaching	Asynchronous	Synchronous
		1 1	簡介			3
		2	統計學習演算法			3
		3	Python 語言簡		3	
3			介			
3		4	資料圖形化		3	
		5	線性迴歸分析			3
		6	線性迴歸分析			3
		7	羅吉式迴歸	70.00		3
		8	再抽樣方法			3
		9	判別分析			3
		10	判別分析			3
		11	期中考			3
		12	決策樹			3
		13	隨機森林			3
		14	主成份分析			3
		15	集群分析			3
		16	期末文章報告			3
		17	自主學習			3
		18	自主學習			3
	教學方式	ł	者請打■,可複選	•		
	Teaching methods	(Check a box if applicable; select one or more answer choices) □(1) 提供線上課程主要及補充教材				
4			n and supplementar	y teaching mat	terials are provided	for online
4		cou: ■(2) ≉	rses 「線上教師或線上與	h ታሉ		
				•	ovo ovodlata	
		■(3)提	ine teachers or teacl 供線上非同步教學	nng assistants	aic avallable. 女,绚哇數:	6 1 12
		Onl.	ine asynchronous te	った数・4 aching session	へ ^ 総吋数・ s are provided:	_U小时 time(g)vvi41
		<u> </u>	no promotions to	actifing session	s are provided.	_mne(s), with a

		total ofhours
		□(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 ofhours
		■(5)提供線上同步教學,次數:16次,總時數:48小時
		Online synchronous teaching sessions are provided:time(s), with a
		total ofhours
		□(6) 其它:(請說明) Other options (Details here):
	教科書及參考書資料	1.教科書 Textbooks: James, G., Witten, D., Hastie, T. & Tibshirani, R. (2021)
	Textbooks and	An introduction to Statistical Learning with Applications in R (2 nd Edition).
	reference materials	Springer
5		
		2.講義 Handouts:
		3.參考資料 Reference materials:
		4.相關網站 Related websites:
	於 E3系統所提供的	以下會使用之 E3功能請打■
	學習活動	Please check the E3 features that you will use
	Learning activities	■最新消息發佈、瀏覽 Releasing and browsing the latest news
	offered by the E3	■教材內容設計、觀看、下載 Designing, viewing or downloading the
	system	contents of teaching materials
		□成績系統管理及查詢 Managing and inquiring the system that keeps
6		track of student grades □進行線上測驗、發佈 Conducting or releasing an online test
		■學習資訊 Gaining access to learning information
		■字音頁訊 Canning access to learning information □互動式學習設計(聊天室或討論區)Designing interactive learning
		(through a chat room or discussion forum)
		□各種教學活動之功能呈現 Presenting the benefits of all teaching
		activities
		□其他相關功能(請說明)Other features (Details here)
	師生互動討論方式	■線上討論 Online discussion:
7	How teacher-student	一面談 Face-to-face discussion:
•	discussion is conducted	□其他 Others:
	作業繳交方式	(有包含者請打■,可複選)
	How assignments are	(Check a box if applicable; select one or more answer choices)
	submitted	■(1)提供線上說明作業內容 Offering online instructions on how
		assignments should be done
		□(2)線上即時作業填答 Allowing students to complete online assignments
8		in real time
		■(3)作業檔案上傳及下載 Allowing students to upload and download
		assignments
		□(4)線上測驗 Providing online tests
		□(5)成績查詢 Allowing grade inquiry
		□(6)其他做法 (請說明) Others (Details here):
	成績評量方式	(1) 考試方式 How tests are conducted:考試一次,作業 課堂參與及文章報
	How performance is	告
9	evaluated	(2) 考評項目其所佔總分比率 Evaluation items, with their percentage of the
		total score:作業50%,考試20%,課堂參與10%,期末期刊文章報告與心
		得20%
10	上課注意事項	
	Other classroom rules	4. 工但北江玉制,并麻满宁节从叶文描入扣眼相它,从大沙卫加盟七伊描仁为

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:

開課單位主管簽章: 機管野黨李昕潔

Signature of applicant:

Signature of head of course provider: