

國立陽明交通大學資訊管理與財務金融學系財務金融跨域學程實施要點

National Yang Ming Chiao Tung University

Department of Information Management and Finance

Implementation Guidelines for Cross-Disciplinary Program of Finance
of Financial Technology

110.10.13	110學年度第2次系課程委員會會議通過
110.11.04	110學年度第2次管理學院課程委員會會議通過
110.12.02	110學年度第3次校課程委員會會議通過
110.12.16	110學年度第2次教務會議核備通過
112.03.15	111學年度第4次系課程委員會會議通過
112.04.11	111學年度第2次管理學院課程委員會會議通過
112.05.16	111學年度第3次校課程委員會會議通過
112.05.30	111學年度第4次教務會議核備通過
113.03.20	112學年度第5次系課程委員會會議通過
113.05.06	112學年度管理學院課程委員會會議通過
113.05.20	112學年度第3次校課程委員會會議通過

- 一、 依據國立陽明交通大學跨域學程實施辦法，國立陽明交通大學資訊管理與財務金融學系(以下簡稱本系)為鼓勵大學部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。

These Implementation Guidelines are prescribed by National Yang Ming Chiao Tung University Department of Information Management and Finance (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 without increasing graduate credits (or only a few extra credits) in order to encourage students to conduct cross-disciplinary study, build the depth of cross-disciplinary study, and assist students expanding second specialty.

- 二、 跨域學程係指由陽明交通大學的學系、研究所、或學院提出模組課程，模組課程應包含該領域基礎核心知識，且總學分數以 30 學分為原則(最低可為 28 學分，最高不可超過 32 學分)。

The cross-disciplinary program here means the cross-disciplinary module curriculum proposed by the departments, institutes, or colleges in National Chiao Tung University. Module curriculum should include the core knowledge curriculum of the field and the total credits will be based on 30 credits (minimum 28 credits and no more than 32 credits).

- 三、 本要點實施對象

Implementation objects of these Guidelines

外系學生欲修習跨域學程且選擇本系做為其跨域專長者

For students from other departments who would like to study for cross-disciplinary program and choose our department as their cross-disciplinary specialty

1. 須於每學年度公告申請期限內向所屬學系提出申請，通過其所屬學系以及本系的雙邊審查後，方可進入跨域學程。

They could submit the application to their major department within the dates of annual announcements by faculty, and they could only take the cross-disciplinary program after approved by both the major department and our department.

2. 外系學生修讀跨域學程且選擇本系做為其跨域專長者，畢業學分以 128 學分為原則，其課程包含：校共同必修、所屬學系必修/選修課程以及列示於「資訊管理與財務金融學系學系跨域模組課程必修科目表」的模組課程，並於畢業證書加註財務金融為其跨域專長。

The graduate credit necessary for this cross-disciplinary program is at the basis of 128 credits. The curriculum of the cross-disciplinary program must include required general education courses of the university, core and elective curriculum of major department, and the module curriculum listed on “The Required Course List for the students study cross-disciplinary module curriculum in department of Information Management and Finance”. Finance will be remarked as their cross-disciplinary specialty on the diploma.

- 四、 本系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。

Our department assigned one full-time teacher to be the mentor of the cross-disciplinary program to give guidance to cross-disciplinary program students.

- 五、 為鼓勵不同系所或學院合作提出跨域共授課程，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。

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 according to National Yang Ming Chiao Tung University Principles for Verifying and Calculating Teachers' Teaching Hours.

- 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。

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、 本要點經本系課程委員會通過後，經院、校級課程委員會通過後實施，修訂時亦同。

These guidelines were approved by Curricular Committee at Department, confirmed by Curricular Committee at college and university level before putting it into practice; the same shall be done upon any amendment thereto.

資訊管理與財務金融學系財務金融跨域模組課程 必修科目表

**The Required Course List for the students study cross-disciplinary module curriculum
in department of Information Management and Finance (Program of Finance)**

類別 Category	科目名稱 Course Name	學分 Credit	開課系所 Department	備註 Remark
本系跨域模組(30 學分) Cross-disciplinary modules at our department (30 credits) 修畢於畢業證書加註 「跨域專長：財務金 融」 “Cross-Disciplinary Specialty: Finance” will be remarked on the diploma after the module curriculum is completed.	金融科技概論 Introduction to Financial Technology	3	資財系 DIF	
	財務管理 Financial Management	3	資財系 DIF	
	資料結構 Data Structures	3	資財系 DIF	
	資料庫管理 Database Managements	3	資財系 DIF	
	投資學 Investments	3	資財系 DIF	
	個體經濟學 Microeconomics	3	資財系 DIF	
	總體經濟學 Macroeconomics	3	資財系 DIF	
	期貨與選擇權 Futures and Options	3	資財系 DIF	
	財務報表分析 Financial Statement Analysis	3	資財系 DIF	
	數理統計 Mathematical Statistics	3	資財系 DIF 財金碩 IOF	
	財務工程導論 Introduction in Financial Engineering	3	資財系 DIF	
	財務計量經濟學 Financial Econometrics	3	資財系 DIF	
	國際財務管理 International Financial Management	3	資財系 DIF	
	財務風險管理 Financial Risk Management	3	資財系 DIF	
	貨幣銀行與金融風暴 Money, Banking and Financial Crisis	3	資財系 DIF	
	資訊安全 Information Security	3	資財系 DIF 財金碩 IOF	
	人工智慧理論與實作 Artificial Intelligence: Theory and Practice	3	資財系 DIF 財金碩 IOF	
	資料科學 Data Science	3	資財系 DIF 財金碩 IOF	
	元大金融科技講堂 Financial Technology Seminar by Yuanta	3	資財系 DIF 財金碩 IOF	
	金融機構與市場 Financial Institutions and Markets	3	財金碩 IOF	
	財務數學 Financial Mathematics	3	財金碩 IOF	
	財務數值方法	3	財金碩 IOF	

	Numerical Methods in Finance			
	機器學習與金融科技 Machine Learning and FinTech	3	財金碩 IOF	
	金融創新 Financial Innovations	3	財金碩 IOF	
	實質選擇權與策略投資 Real Options and Strategic Investment	3	財金碩 IOF	
<p style="text-align: center;">任選上列 10 門課程</p> <p style="text-align: center;">Students could take any ten courses listed above.</p> <p>修習外系(校)課程前，須經由任課教師或系主任審核同意後，方可認定為本學程必修科目。修習外系(校)課程認列為本學程必修科目以三門為限。</p> <p>Before taking any courses which are the same as the ones listed above from other departments/schools, these courses should be admitted by the professors or Dean. The number of the course taken from other departments/schools is no more than 3 courses.</p>				
<p style="text-align: center;">總學分 (30 學分)</p> <p style="text-align: center;">Total Credits (30 credits)</p>		30		