資訊管理與財務金融學系
Department of Information Management and Finance
105 學年度 (Academic Year 2016)106.05 修訂

科目名稱 Course Name	學分 Credit	第一學年 Grade 1		第二學年 Grade 2		第三學年 Grade 3		第四學年 Grade 4		備註 Note
		上 1st	下 2nd	上 1st	下 2nd	上 1st	下 2nd	上 1st	下 2nd	
導師時間 Mentor's Hours	2	1	1							
微積分甲(一)(二) Calculus (I)(II)	8	4	4							資管組必修
微積分乙(一)(二) Calculus (I)(II)	8	4	4							財金組必修
經濟學(一) Economics(I)	3	3								
經濟學(二) Economics(II)	3		3							財金組必修
會計學(一)(二) Accounting(I)(II)	6	3	3							
計算機概論 Introduction to Computer Science	3	3								
程式設計 Programming	3	3								
線性代數 Linear Algebra	3		3							
進階程式設計 Advanced Programming	3		3							
統計學(一)(二) Statistics(I)(II)	6			3	3					
作業研究(一) Operations Research(I)	3			3						資管組必修
財務管理 Financial Management	3			3						
資財導論 Introduction to Information Management and Finance	3			3						
資料結構 Data Structures	3			3						
管理學 Management	3				3					
資料庫管理 Database Managements	3				3					
投資學 Investments	3				3					
管理資訊系統 Management Information System	3					3				
系統分析與設計 System Analysis and Design	3					3				1. 左列為**資管組核心必修課程**。 2. 必須修完資訊管理專題(一)才能修資訊管理專題(二)，且
作業系統 Operating Systems	3					3				

課程 Course									備註 Notes
資訊管理專題(一) Project in Information Management (I)	2						2		同一學期不能同時修資訊管理專題(一)(二)。 1. The courses listed in the left column are the required core courses of Program of Information Management. 2. Students about to take "Project in Information Management (II)" must first complete "Project in Information Management (I)," and they cannot take both "Project in Information Management (I)" and "Project in Information Management (II)" in the same semester.
資訊管理專題(二) Project in Information Management (II)	2							2	
演算法 Algorithms	3					3			1. 資管組核心必選課程共 12 學分。 2. 至少須由左列課程中選 6 學分。 3. 若不足 12 學分，須由財金組之核心必修或核心必選課程補足。 1. Compulsory elective core courses of Program of Information Management are 12 credits in total. 2. At least 6 credits should be selected. 3. If students' total credits does meet the requirement of 12 credits, they should achieve the rest by completing the required or compulsory elective core courses of Program of Finance.
商用資料通訊 Business Data Communications	3						3		
電子商務 Electronic Commerce	3						3		
金融資訊系統設計 Design of Financial Information Systems	3						3		
個體經濟學 Microeconomics	3			3					1. 左列為財金組核心必修課程。 2. 必須修完財務金融專題(一)才能修財務金融專題(二)，且同一學期不能同時修財務金融專題(一)(二)。 1. The courses listed in the left column are the required core courses of Program of Finance. 2. Students about to take "Project in Finance (II)" must first complete "Project in Finance (I)," and they cannot take both "Project in Finance (I)" and "Project in Finance (II)" in the same semester.
總體經濟學 Macroeconomics	3				3				
期貨與選擇權 Futures and Options	3					3			
財務報表分析 Financial Statement Analysis	3						3		
財務金融專題(一) Project in Finance (I)	2						2		
財務金融專題(二) Project in Finance (II)	2							2	
數理統計 Mathematical Statistics	3					3			1. 財金組核心必選課程共 9 學分。 2. 須由左列課程或資管組之核心必修或
財務工程導論	3						3		

Introduction in Financial Engineering								核心必選課程中選9學分。 1. Compulsory elective core courses of Program of Finance are 9 credits in total. 2. Students should acquire 9 credits by selecting the courses listed in the left column or the required or compulsory elective core courses of Program of Information Management.
財務計量經濟學 Financial Econometrics	3				3			
合計	資 83 IM 83 財 86 F 86	14	資 14 IM14 財 17 F17	資 15 IM15 財 12 F12	12	12	資 11 IM 11 財 14 F 14	2	0

本系最低畢業學分為 128 學分

本系學生除以上必修科目外，須選修本系所開必選課程「自我探索與生活適應」，1 學分 2 小時。

The minimum requirement of graduation credits of IMF is 128 credits.

Besides the subjects aforementioned, students of IMF should select the compulsory elective course, "Self Exploring and Life Adaption" offered by IMF, with 1 credit and 2 hours.

資訊管理與財務金融學系輔系科目表
Department of Information Management and Finance Minor Program
105 學年度 (Academic Year 2016)

先修課程科目名稱 Preliminary Course Name	學分數 Credit
微積分甲(一)(二) Calculus (I)(II)　　資管組先修	8
微積分乙(一)(二) Calculus (I)(II)　　財金組先修	8
經濟學(一) Economics(I)	6
經濟學(二) Economics(II)　　財金組先修	3
會計學(一)(二) Accounting(I)(II)	6
計算機概論 Introduction to Computer Science	3
統計學(一)(二) Statistics(I)(II)	6
作業研究(一) Operations Research(I)　　資管組先修	3
程式設計 Programming	3
管理學 Management	3
線性代數 Linear Algebra	3
進階程式設計 Advanced Programming	3
先修課程總學分 Total credits of preliminary courses	41
必修課程科目名稱 **Required Course Name**	**學分數** **Credit**
資料庫管理 Database Management	3
管理資訊系統 Management Information Systems	3
財務管理 Financial Management	3
資料結構 Data Structures	3
資財導論 Introduction to Information Management and Finance	3
投資學 Investments	3
必修課程 18 學分，另外需再依所選修資訊管理組或財務金融組之 專業課程中，選修三門課（9 學分），與必修課程合計共 27 學分。 The required courses are 18 credits. Moreover, 3 courses (9 credits) of the professional program should be selected, according to whether the Program of Information Management or the Program of Finance is taken, in order to fulfill 27 credits in total.	

資訊管理組（6 選 3）： **Program of Information Management (3 out of 6):**	財務金融組（7 選 3）： **Program of Finance (3 out of 7):**
系統分析與設計 System Analysis and Design	個體經濟學 Microeconomics
作業系統 Operating Systems	總體經濟學 Macroeconomics
演算法 Algorithms	期貨與選擇權 Futures and Options
商用資料通訊 Business Data Communications	財務報表分析 Financial Statement Analysis
電子商務 Electronic Commerce	數理統計 Mathematical Statistics
金融資訊系統設計 Design of Financial Information Systems	財務工程導論 Introduction in Financial Engineering
	財務計量經濟學 Financial Econometrics
輔系最低應修學分為 27 學分 (不含先修課程) 自 99 學年度起，本系僅開放非管理學院學生修讀資財系為輔系。 The minimum credit requirement of minor program is 27 credits (excluding the preliminary courses). Since the academic year 2010, IMF has only accepted non-COM students' application for minor program.	