

資訊管理與財務金融學系

Department of Information Management and Finance

108 學年度 (Academic Year 2019)

| 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 | |
| | | 生涯規劃與導師時間(一)(二) Career Planning and Mentor's Hours (I)(II) | 0 | 0 | 0 | | | | | |
| 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 | 2 | | | 2 | | | | | | |
| 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 | | | | |
| 資訊與財金專題(一)(二) Bachelor Thesis of Information Management and Finance (I)(II) | 4 | | | | | | 2 | 2 | | 必須修完專題(一)才能修專題(二),且同一學期不能同時修專題(一)(二)。 Students about to take |

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|--|-------------------------------|----|-----------------------------|----|-----------------------------|-----------------------------|----|---|---|--|
| | | | | | | | | | | "Bachelor Thesis (II)" must first complete "Bachelor Thesis (I)," and they cannot take both "Bachelor Thesis (I)" and "Bachelor Thesis (II)" in the same semester. |
| 系統分析與設計 System Analysis and Design | 3 | | | | | 3 | | | | 1. 資管組核心必選課程共 18 學分。 2. 須由左列課程或財金組之核心必修或核心必選課程中選 18 學分。 1. Compulsory elective core courses of Program of Information Management are 18 credits in total. 2. Students should acquire 18 credits by selecting the courses listed in the left column or the required or compulsory elective core courses of Program of Finance. |
| 作業系統 Operating Systems | 3 | | | | | 3 | | | | |
| 演算法 Algorithms | 3 | | | | | 3 | | | | |
| 商用資料通訊 Business Data Communications | 3 | | | | | | 3 | | | |
| 電子商務 Electronic Commerce | 3 | | | | | | 3 | | | |
| 資訊安全 Information Security | 3 | | | | | 3 | | | | |
| 人工智慧與金融科技實務 Practices of Artificial Intelligence and Financial Technology | 3 | | | | | 3 | | | | |
| 資料科學 Data Science | 3 | | | | | | 3 | | | |
| 個體經濟學 Microeconomics | 3 | | | 3 | | | | | | |
| 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 | | | |
| 數學統計 Mathematical Statistics | 3 | | | | | 3 | | | | |
| 財務工程導論 Introduction in Financial Engineering | 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 Information Management. |
| 財務計量經濟學 Financial Econometrics | 3 | | | | | | 3 | | | |
| 財務風險管理 Financial Risk Management | 3 | | | | | 3 | | | | |
| 貨幣銀行與金融風暴 Money, Banking and Financial Crisis | 3 | | | | | | 3 | | | |
| 國際財務管理 International Financial Management | 3 | | | | | | 3 | | | |
| 公司理財 Corporate Finance | 3 | | | | | 3 | | | | |
| 合計 | 資 80 IM 80 財 83 F 83 | 16 | 資 13 IM13 財 16 F16 | 14 | 資 12 IM12 財 15 F15 | 資 12 IM 12 財 9 F 9 | 11 | 2 | 0 | |
| 本系最低畢業學分為 128 學分 The minimum requirement of graduation credits of IMF is 128 credits. | | | | | | | | | | |

資訊管理與財務金融學系輔系科目表

Department of Information Management and Finance Minor Program

108 學年度 (Academic Year 2019)

| 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) | 3 |
| 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 | 2 |
| 投資學 Investments | 3 |
| 必修課程 17 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 26 學分。 The required courses are 17 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 26 credits in total. | |

| 資訊管理組 (10 選 3): Program of Information Management (3 out of 10): | 財務金融組 (10 選 3): Program of Finance (3 out of 10): |
|--|--|
| 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 |
| 資訊安全 Information Security | 財務工程導論 Introduction in Financial Engineering |
| 人工智慧與金融科技實務 Practices of Artificial Intelligence and Financial Technology | 財務計量經濟學 Financial Econometrics |
| 資料科學 Data Science | 財務風險管理 Financial Risk Management |
| 數理統計 Mathematical Statistics | 貨幣銀行與金融風暴 Money, Banking and Financial Crisis |
| 財務工程導論 Introduction in Financial Engineering | 國際財務管理 International Financial Management |
| <p style="text-align: center;"> 輔系最低應修學分為 26 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 26 credits (excluding the preliminary courses). Since the academic year 2010, IMF has only accepted non-COM students' application for minor program. </p> | |