



## 課 綱 Course Outline

### 管理學院管理科學與財金國際學士學位學程學士班

中文課程名稱 Course Name in Chinese	投資學				
英文課程名稱 Course Name in English	Investment				
科目代碼 Course Code	MSF_10250	班 別 Degree	學士班 Bachelor' s		
修別 Type	學 程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
This course lays out the general framework for the investment process and the practical applications of investment theory. It can give students the skill to conduct an assessment of current issues and debates					
系教育目標 Dept.' s Education Objectives					
1	培育具備良好數量分析能力之管理人才。 Cultivating management professionals with outstanding ability in quantitative analysis.				
2	培育具備財務金融專業知識之人才。 Cultivating professionals with finance-specific knowledge.				
3	培育具備國際視野與外語溝通能力之人才。 Cultivating professionals with a global vision and the ability in foreign-language communication.				
4	培育具備決策分析與問題解決之技能的管理人才。 Cultivating management professionals with knowledge and skills in decision analysis and problem solving.				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	能以數量方法分析與解決問題。 Using quantitative methods to analyze and solve problems.				●
B	具備財務金融領域之分析能力。 Equipped with the ability to analyze finance.				●

C	能善用資訊科技進行資料分析、統整與呈現。 Using information technology to analyze, integrate, and present data.	○
D	具備國際視野與專業外語能力。 Equipped with a global vision and specialized foreign language proficiency.	●
E	具備掌握財經時事議題及研判財經趨勢之能力。 Equipped with the ability to master topics of finance and economy, and other current news, and to diagnose financial and economic tendencies.	
F	具備一般管理的基礎知識。 Equipped with basic knowledge of management in general.	●

圖示說明 Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

### 課程大綱 Course Outline

This course can be partitioned into four parts.  
Part One is an introduction to financial markets, instruments, and trading of securities. This part also describes the mutual fund industry.  
Part Two is a fairly detailed presentation of “modern portfolio theory.” This part treats the effect of diversification on portfolio risk, the efficient diversification of investor portfolios, the choice of portfolios that strike an attractive balance between risk and return, and the efficient market hypothesis.  
Part Three covers securities analysis and valuation. It is devoted to debt markets, equity markets, and derivative assets, such as options and futures contracts.  
Part Four is an introduction to active investment management. This part discusses the role of active management in nearly efficient markets, considers how one should evaluate the performance of managers who pursue active strategies.

資源需求評估 (師資專長之聘任、儀器設備的配合 . . . 等)  
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

Teachers with backgrounds in finance-related fields  
Notebook, Projectors, Security market database

### 課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods

Lectures: textbook materials  
Quizzes: Quizzes enable students to determine whether the preceding material has been understood.  
Homework: This course requires students to perform portfolio construction and securities analysis in spreadsheet format.

其他  
Miscellaneous