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## ②国玄東華大學

## 課 網 Course Outline

## 管理學院管理科學與財金國際學士學位學程學士班

	官理学院官理科学典	八里四小丁工	-1 121 121 2	-)_		
中文課程名稱 Course Name in Chinese	統計學(一)	統計學(一)				
英文課程名稱 Course Name in English	Statistics(I)	Statistics(I)				
科目代碼 Course Code	MSF_10090	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				'		
	Cours	課程目標 se Objectives				
Principles and applications of statistical methods, including central tendency, descriptive analysis of quantitative data, probability, inferential statistics involving one or more populations, and multiple linear regressions. Applications include economics, planning, market research, production/ operations, and decision theory.						
於教育日标 Dept.'s Education Objectives						
培育具備良好數量分析能力之管理人才。 1 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.						
培育具備國際視野與外語溝通能力之人才。 3 Cultivating professionals with a global vision and the ability in foreign-language communication.						
培育具備決策分析與問題解決之技能的管理人才。 4 Cultivating management professionals with knowledge and skills in decision analysis and problem solving.						
•	系專業能力 Basic Learning Ou	tcomes		課程目標與系專業能 力相關性 Correlation between Course Objectives and		
				Dept.'s Education Objectives		
I A I	↑析與解決問題。 ative methods to analyz	e and solve p	roblems.	•		

В	具備財務金融領域之分析能力。 Equipped with the ability to analyze finance.	0			
С	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.	•			
Е	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.	0			
F	F 具備一般管理的基礎知識。 Equipped with basic knowledge of management in general.				
圖方	圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated				
	課程大綱 Course Outline				
I Introduction to Course 2 Chapter 1 What is Statistics Chapter 2 Frequency distribution and Graphs 3 Chapter 2 Frequency distribution and Graphs Chapter 3 Numerical Measures 4 Chapter 3 Numerical Measures Chapter 4 Displaying and Exploring Data 5 Test I 6 Chapter 5 A Survey of Probability Concepts 7 Chapter 6 Discrete Probability Distributions Chapter 6 Continuous Probability Distributions 8 Chapter 7 Standard Score Transformation (Z score) and probability 9 Test II 10 Chapter 8 Sampling methods and the Central limit Theorem 11 Chapter 10 Hypothesis Testing (Z test) 12 Chapter 10 Hypothesis Testing (t test) 13 Test III 14 Chapter 9 Estimate Confidence Interval 15 Chapter 11 Two-Sample Tests of Hypothesis 16 Chapter 12 One-way ANOVA 17 Test IV 18 Flexibility					
Cla	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.)				
Cla	Classroom and its facilities 課程要求和教學方式之建議				
Course Requirements and Suggested Teaching Methods					
Lec	Lecture				
	其他 Miscellaneous				
	Statistical Techniques in Business & Economics, 18th ed. by Lind, Marchal & Wathen. McGraw-Hill Irwin (2021), ISBN10: 1260239470				