

課程編號	1 0 9 0 2 0 0 1 2	<input checked="" type="checkbox"/> 必修 <input type="checkbox"/> 選修	授課教師：郭耀禎 開課系所：保全管理學 年級班別：二年 A 班	老師 學系
班次	01			
課程名稱(中文)		學分數	課程名稱(英文)	
統計學		3	STATISTICS	
教學目標 與內容	1. Obtain an appreciation for the breadth of statistical applications in business and economics. 2. Understand the meaning of the terms elements, variables, and observations as they are used in statistics. 3. Obtain an understanding of the difference between qualitative, quantitative, cross-sectional and time series data. 4. Be aware of how errors can arise in data. 5. Know the meaning of descriptive statistics and statistical inference. 6. Be able to distinguish between a population and a sample. 7. Understand the role a sample plays in making statistical inferences about the population.. 8. Be familiar with the statistical software used in the business world			
實施方法	<input checked="" type="checkbox"/> 講解法 <input type="checkbox"/> 實作法 <input type="checkbox"/> 討論法 <input type="checkbox"/> 演習法 <input type="checkbox"/> 問答法 <input type="checkbox"/> 其他_____			
評量方式	期中測驗 25 % 期末測驗 30 % 平時成績 10% 作業成績 15% 小考成績 20%			
授課使用及 參考書籍	(請按作者、書名、版別、出版商、發行地、出版年份、起訖頁數順序填寫)。 Textbook: Berenson et al., "Basic Business Statistics: Concepts and Applications", Pearson (華泰文化), Taiwan, 10 th edition, 2006, p1~p891 References: Anderson et al., "Essentials of Statistics for Business and Economics", 3 rd Edition, Thomson (滄海書局), Taiwan, 2003, p1~p959			
科目簡介(含課程大綱及教學進度)：				
Week #	Date	Contents		
1	2/28	Syllabus and Course Objectives		
2	3/6	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part I		
3	3/13	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part II		
4	3/20	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part III; Ass #1		
5	3/27	Chapter 10 Two Sample Tests Part I		
6	4/3	Chapter 10 Two Sample Tests Part II; Ass #2		
7	4/10	Chapter 11 Analysis of Variance Part I		
8	4/17	Chapter 11 Analysis of Variance Part II;		
9	4/24	期中考		
10	5/1	Chapter 12 Chi-Square Tests and Nonparametric Tests Part I		
11	5/8	Chapter 12 Chi-Square Tests and Nonparametric Tests Part II; Ass#3		
12	5/15	Chapter 13 Simple Linear Regression Part I		
13	5/22	Chapter 13 Simple Linear Regression Part II; Ass#4		
14	5/29	Chapter 14 Introduction to Multiple Regression Part I		
15	6/5	Chapter 14 Introduction to Multiple Regression Part II; Ass#5		

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16	6/12	Chapter 15 Multiple Regression Model Building Part I
17	6/19	Chapter 15 Multiple Regression Model Building Part II
18	6/26	期末考

說明：

1. 授課教師於學期前填寫本表，經課程委員會審核後，影印分送給教師所屬課程委員會召集人，授課班級所屬系、所及教務處課務組；並於開始上課時，將本內容向學生說明。
2. 本表於 91.4.23 第四次校課程委員會討論通過。

課程委員會召集人：**保全系主任陳東陽(乙)**



授課教師：**郭火雀 郭復**

課務組辦事員 **郭惠姍**

課務組
97.3.7
收文章

CRN	Course title	Instructor	Subject	grade	Credits	Hours per week
109020012	Chinese : 統計學	Kuo, Yao-Chen	<input checked="" type="checkbox"/> required <input type="checkbox"/> elective	2 nd	3	3
	English : Statistics	Course prerequisites	None			
Teaching goal and content	1. Obtain an appreciation for the breadth of statistical applications in business and economics. 2. Understand the meaning of the terms elements, variables, and observations as they are used in statistics. 3. Obtain an understanding of the difference between qualitative, quantitative, cross-sectional and time series data. 4. Be aware of how errors can arise in data. 5. Know the meaning of descriptive statistics and statistical inference. 6. Be able to distinguish between a population and a sample. 7. Understand the role a sample plays in making statistical inferences about the population.. 8. Be familiar with the statistical software used in the business world					
Teaching Methods	<input checked="" type="checkbox"/> Lecture ◦ <input type="checkbox"/> practical training ◦ <input type="checkbox"/> discussion ◦ <input type="checkbox"/> question-and-answer ◦ <input type="checkbox"/> others () ◦					
Grading and evaluation criteria	Midterm 25 % ◦ Final 30 % ◦ Class participation 10 % ◦ Assignments 15 % ◦ Quiz 20 %					
Textbooks	(Author、Title、edition、publisher、publishing place、publishing year、from page to page in sequence) ◦ Textbook: Berenson et al., "Basic Business Statistics: Concepts and Applications", Pearson (華泰文化), Taiwan, 10 th edition, 2006, p1~p891 References: Anderson et al., "Statistics for Business and Economics: A Practical Approach", Thomson Learning (滄海書局), Taiwan, 2006, p1~p959					

Subject introduction (including outline and course schedule) :

Week #	Date	Contents
1	2/28	Syllabus and Course Objectives
2	3/6	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part I
3	3/13	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part II
4	3/20	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part III
5	3/27	Chapter 10 Two Sample Tests Part I
6	4/3	Chapter 10 Two Sample Tests Part II
7	4/10	Chapter 11 Analysis of Variance Part I
8	4/17	Chapter 11 Analysis of Variance Part II;
9	4/24	Midterm Exam
10	5/1	Chapter 12 Chi-Square Tests and Nonparametric Tests Part I
11	5/8	Chapter 12 Chi-Square Tests and Nonparametric Tests Part II

12	5/15	Chapter 13 <u>Simple Linear Regression Part I</u>
13	5/22	Chapter 13 <u>Simple Linear Regression Part II</u>
14	5/29	Chapter 14 <u>Introduction to Multiple Regression Part I</u>
15	6/5	Chapter 14 <u>Introduction to Multiple Regression Part II</u>
16	6/12	Chapter 15 <u>Multiple Regression Model Building Part I</u>
17	6/19	Chapter 15 <u>Multiple Regression Model Building Part II</u>
18	6/26	Final Exam

Instruction :

1. The teacher fills in this form before the semester beginning. After verified by the curriculum committee, this form should be copied to give to the conveners who is belong to the same department, the department which the class is belong to, and the office of curriculum planning. Besides, the teacher explains this syllabus to students at the beginning of a semester.
2. This form is approved by the curriculum committee at the forth time on April 23rd, 2002

Convenor of the curriculum committee :

保全系陳東陽(乙)
主任

Teacher : 郭耀復



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57.8.7
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