

開南大學九十六年度第一學期 保全管理學系教學計劃表

課程編號	1	0	9	0	2	0	0	1	1	<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, crosssectional 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 20% 作業成績 25%											
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 <sup>th</sup> 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											
科目簡介(含課程大綱及教學進度)：												
Week #	Date	Contents										
1	9/13	<b>Syllabus and Course Objectives</b>										
2	9/20	<b>Chapter 1 Introduction and Data Collection</b>										
3	9/27	<b>Chapter 2 Presenting Data in Tables and Charts ; Ass#1</b>										
4	10/4	<b>Chapter 3 Numerical Descriptive Measures Part #1</b>										
5	10/11	<b>Chapter 3 Numerical Descriptive Measures Part #2; Ass#2</b>										
6	10/18	<b>Chapter 4 Basic Probability Part #1</b>										
7	10/25	<b>Chapter 4 Basic Probability Part #2; Ass#3</b>										
8	11/1	<b>Chapter 5 Some Important Discrete Probability Distribution Part#1</b>										
9	11/8	<b>Midterm</b>										
10	11/15	<b>Chapter 5 Some Important Discrete Probability Distribution Part#2</b>										
11	11/22	<b>Chapter 6 The Normal Distribution and Other Continuous Distribution Part#1; Ass#4</b>										
12	11/29	<b>Chapter 6 The Normal Distribution and Other Continuous Distribution Part #2</b>										
13	12/6	<b>Chapter 7 Sampling Distribution and Sampling Part #1</b>										
14	12/13	<b>Chapter 7 Sampling Distribution and Sampling Part #2; Ass#5</b>										
15	12/20	<b>Chapter 8 Confidence Interval Distribution Part #1</b>										

16	12/27	<b>Chapter 8 Confidence Interval Distribution Part #2; Ass#6</b>
17	1/3	<b>Chapter 8 Confidence Interval Distribution Part #3</b>
18	1/10	<b>Final Exam (No Class)</b>

說明：

- 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。
- 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

授課教師：

郭耀輝

課務組  
96.9.13  
收文章

課務組辦事員 郭惠姍

Kainan University

 Fall  
 Spring

**Security Management Department**  
**Course Schedule**

CRN	Course title	Instructor	Subject	grade	Credits	Hours per week
109020011	Chinese : 統計學(上)	Kuo, Yao-Chen	<input checked="" type="checkbox"/> required <input type="checkbox"/> elective	2 <sup>nd</sup>	3	3
	English : Statistics	Course prerequisites	Probability, Linear Algebra			

**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**

Lecture ◦  practical training ◦  discussion ◦  
 question-and-answer ◦  others ( ) ◦

**Grading and evaluation criteria**

midterm 25 % ◦ final 30 % ◦ Class participation 20 % ◦ Assignments 25 % ◦

**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<sup>th</sup> 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	9/13	Syllabus and Course Objectives
2	9/20	Chapter 1 Introduction and Data Collection
3	9/27	Chapter 2 Presenting Data in Tables and Charts ; Ass#1
4	10/4	Chapter 3 Numerical Descriptive Measures Part #1
5	10/11	Chapter 3 Numerical Descriptive Measures Part #2; Ass#2
6	10/18	Chapter 4 Basic Probability Part #1
7	10/25	Chapter 4 Basic Probability Part #2; Ass#3
8	11/1	Chapter 5 Some Important Discrete Probability Distribution Part#1
9	11/8	Midterm
10	11/15	Chapter 5 Some Important Discrete Probability Distribution Part#2
11	11/22	Chapter 6 The Normal Distribution and Other Continuous Distribution Part#1; Ass#4

12	11/29	<b>Chapter 6</b> <u>The Normal Distribution and Other Continuous Distribution Part #2</u>
13	12/6	<b>Chapter 7</b> <u>Sampling Distribution and Sampling Part #1</u>
14	12/13	<b>Chapter 7</b> <u>Sampling Distribution and Sampling Part #2; Ass#5</u>
15	12/20	<b>Chapter 8</b> <u>Confidence Interval Distribution Part #1</u>
16	12/27	<b>Chapter 8</b> <u>Confidence Interval Distribution Part #2; Ass#6</u>
17	1/3	<b>Chapter 8</b> <u>Confidence Interval Distribution Part #3</u>
18	1/10	<b>Final Exam (No Class)</b>

## 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 23<sup>rd</sup>, 2002

Convener of the curriculum committee :

保全系 陳東陽  
主任

Teacher :

郭火位 郭惠珊



課務組 郭惠珊  
辦事員