Kainan University   ■ Fall   □ Spring   IHP   **Course Schedule**

CRN	Course title		Instructor	Subject	grade	Credits	Hours per week
100010531	Chinese：統計學(上)		Kuo, Yao-Chen	■required □ elective	2 年級	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, crossectional 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, 10th 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	**Chapter 6** The Normal Distribution and Other Continuous Distribution Part #2

13	12/6	**Chapter 7** Sampling Distribution and Sampling Part #1
14	12/13	**Chapter 7** Sampling Distribution and Sampling Part #2; **Ass#5**
15	12/20	**Chapter 8** Confidence Interval Distribution Part #1
16	12/27	**Chapter 8** Confidence Interval Distribution Part #2; **Ass#6**
17	1/3	**Chapter 8** Confidence Interval Distribution Part #3
18	1/10	**Final Exam (No Class)**

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

Convener of the curriculum committee：   **Teacher：**