

■ Fall

□ Spring

IHP Course Schedule

Kainan University

CRN	Course title	Instructor	Subject	grade	Credits	Hours per week
100010532	Chinese : 統計學(下)	Kuo, Yao-Chen	<input checked="" type="checkbox"/> required <input type="checkbox"/> 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, 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 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, 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	2/26	Syllabus and Course Objectives
2	3/4	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part I
3	3/11	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part II
4	3/18	Chapter 9 Fundamentals of Hypothesis Testing: One-Sample Tests Part III; Ass #1
5	3/25	Chapter 10 Two Sample Tests Part I
6	4/1	Chapter 10 Two Sample Tests Part II; Ass #2
7	4/8	Chapter 11 Analysis of Variance Part I
8	4/15	Chapter 11 Analysis of Variance Part II;
9	4/22	Midterm Exam
10	4/29	Chapter 12 Chi-Square Tests and Nonparametric Tests Part I
11	5/6	Chapter 12 Chi-Square Tests and Nonparametric Tests Part II; Ass#3
12	5/13	Chapter 13 Simple Linear Regression Part I

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13	5/20	Chapter 13 <u>Simple Linear Regression Part II; Ass#4</u>
14	5/27	Chapter 14 <u>Introduction to Multiple Regression Part I</u>
15	6/3	Chapter 14 <u>Introduction to Multiple Regression Part II; Ass#5</u>
16	6/10	Chapter 15 <u>Multiple Regression Model Building Part I</u>
17	6/17	Chapter 15 <u>Multiple Regression Model Building Part II</u>
18	6/24	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

Convener of the curriculum committee :

Teacher : 郭耀斌

