

**NATIONAL CHENGCHI UNIVERSITY
COLLEGE OF COMMERCE
DEPARTMENT OF STATISTICS**

**STATISTICS
SPRING 2026**

A. Instructor: Professor Yue, Ching-Syang Jack

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Class Hours: Tuesday: 09:10 - 12:00

Office Hours: Thursday: 10:00~12:00 or by appointment

B. Books

1. Statistics for Business and Economics (2024), Camm, Cochran, Fry, Ohlmann, Anderson, Sweeney, Williams, Cengage Group, 15th Edition.
2. Tainted Truth (1996), C. Crossen, Chinese version published by China Times.
3. The Cartoon Guide to Statistics (1993), L. Gonick and W. Smith, Chinese version published by Common Wealth Publishing Co.

Computer Software:

Minitab Statistical Software & Excel ◦

C. Course Objectives

The objective of this course is to provide the students with the essential and fundamental concepts of elementary statistics. After completing this course, students will be able to systematically analyze real-world problems using elementary statistical thinking. They will acquire the ability to select and apply appropriate statistical methods—including chi-square tests, experimental design, regression analysis, forecasting techniques, and nonparametric methods—to data-driven questions. In addition to materials in the textbook, the students may be required to use the computer lab for some class activities.

D. Grading Policy

1. Midterm examination -----	30 %
2. Final examination -----	30 %
3. Quizzes -----	20 %
4. Homework -----	20 %
Total	<u>100 %</u>

E. Important Notes and Policies

The one who fails to attain the final exam will result “Fail” in the final grade.

CLASS SCHEDULE

#	Date	Content	Text	Note
1	02/24	Review of Sampling Theory, Hypothesis Testing & Estimation; Chi-square Test	7~10; 12	
2	03/03	Chi-square Test	12	
3	03/10	Experimental Design and Analysis of Variance	13	HW#1
4	03/17	Experimental Design and Analysis of Variance	13	
5	03/24	Simple Linear Regression; First Quiz	14	
6	03/31	Simple Linear Regression; Multiple Regression	14; 15	HW#2
7	04/07	Multiple Regression	15	
8	04/14	Mid-term Exam	12~15	
9	04/21	Regression Model, Model Building	16	
10	04/28	Time Series Analysis and Forecasting	17	HW#3
11	05/05	Time Series Analysis and Forecasting	17	
12	05/12	Nonparametric Methods	18	
13	05/19	Nonparametric Methods; Second Quiz	18	HW#4
14	05/26	Decision Analysis	19	
15	06/02	Quality Control	21	
16	06/09	Final Exam	12~19	