

Statistics 000360061 Syllabus

Spring 2024

- Instructor Information.
 - Instructor: Huang, Tzee-Ming
 - Email: tmhuang@nccu.edu.tw
 - Office hours: Monday 8:00-10:00 and by appointment
- Textbook. Statistical Techniques in Business and Economics (19th Edition) by Douglas A. Lind, William G. Marchal, and Samuel A. Wathen.
- Course Objectives. The main objective of this course is to help students develop basic understanding of statistics. Fundamental concepts such as samples and populations, random variables and probability distributions, will be introduced. The second objective is to prepare students for more advanced studies in statistics. For this purpose, more mathematical tools may be introduced if necessary.
- Grading Policy.

- Homework (optional): $x\%$, where

$$\frac{x}{30} = \frac{\text{homework scores earned}}{\text{homework total}}.$$

- Midterm: $(50 - 0.5x)\%$
- Final: $(50 - 0.5x)\%$

Note.

- After the class starts, homework problems will be posted weekly on the course web site at
<https://stat.walkup.tw/teaching/statistics/S24/homepage.html>
- Homeworks are to be turned in to the homework box. The homework box is outside the office of the department of statistics (at the 9-th floor of the College of Commerce Building).

- Additional Information.

- The topics in the class schedule on Page 2 are subject to modification. Up-to-date reading schedule will be posted after the class starts on the course web site.
- Reference: 統計學, 趙民德/李紀難編著. ISBN 957-483-337-2

Tentative Class Schedule

Week	Content	Reading chapter(s)
1	Two-sample tests of hypothesis	11
2	Two-sample tests of hypothesis	11
3	Two-sample tests of hypothesis	11
4	Two-sample tests of hypothesis	11
5	Analysis of variance	12
6	Analysis of variance	12
7	Holiday	
8	Analysis of variance	12
9	Midterm	
11	Linear regression and correlation	13
12	Linear regression and correlation	13
13	Linear regression and correlation	13
14	Linear regression and correlation	13
15	Multiple regression analysis	14
16	Nonparametric Methods	15
17	Nonparametric Methods	15
18	Final	