

**National Taiwan University**  
**College of Management**  
**Department of International Business**

Fall 2023  
August 31, 2023

**Course Title: Statistics (I)**

課程名稱: 統計學 (一)

**Course Code: MGT2003**

**Instructor:** Dr. Chris Lien

**Contact Information:**

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**Course Description:**

This course is designed to provide a fundamental understanding of descriptive and inferential statistics, including the use of statistical methods in business and economics. Topics will cover the collection, analysis, presentation, and interpretation of data in business and economics.

**Learning Outcomes:**

By the end of this course, students should be able to:

- Understand the concepts of descriptive and inferential statistics and their applications in business and economics.
- Analyze data using appropriate statistical techniques.
- Interpret the results of statistical analyses.
- Make informed decisions using data.

**Required Textbook:**

McClave, James T., P. George Benson, and Terry T. Sincich. Statistics for Business & Economics. Pearson Higher Ed, 2021.

**Assessment Methods:**

- Assignment 60% (12 \* 5% )
- Mid-Term Exam: 20%
- Final Exam: 20%

**Course Schedule:**

2023 Fall (112-1)

Week	Date	Topic	Reading
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1	2023/8/31	Statistics, Data, and Statistical Thinking	Ch1
2	2023/9/7	Methods for Describing Sets of Data	Ch2
3	2023/9/14	Probability	Ch3
4	2023/9/21	Probability	Ch3
5	2023/9/28	Random Variables and Probability Distributions	Ch4
6	2023/10/5	Random Variables and Probability Distributions	Ch4
7	2023/10/12	Random Variables and Probability Distributions	Ch4
8	2023/10/19	Mid-Term Exam	
9	2023/10/26	Sampling Distributions	Ch5
10	2023/11/2	Sampling Distributions	Ch5
11	2023/11/9	Sampling Distributions	Ch5
12	2023/11/16	Sampling Distributions	Ch5
13	2023/11/23	Inferences Based on a Single Sample: Estimation with Confidence Intervals	Ch6
14	2023/11/30	Inferences Based on a Single Sample: Estimation with Confidence Intervals	Ch6
15	2023/12/7	Inferences Based on a Single Sample: Estimation with Confidence Intervals	Ch6
16	2023/12/14	Review Session	
17	2023/12/21	Reading Week or Data Science Project (Optional)	
18	2023/12/28	Reading Week or Data Science Project (Optional)	

### Policies:

- **Late Assignments**  
Unless otherwise stated, late submissions will incur a penalty of 10% reduction in total points for each day the assignment is overdue. Assignments submitted more than five days late will not be accepted unless a formal extension has been granted.
- **Missed Exams**  
Makeup exams will only be offered in the event of a documented emergency or illness. It is the student's responsibility to notify the instructor before the scheduled exam or as soon as possible in the event of a sudden illness or emergency. The makeup exam procedure will be discussed individually with affected students.
- **Academic Integrity**  
All students are expected to adhere to the highest standards of academic honesty. Plagiarism, which includes using someone else's work without proper acknowledgment or presenting someone else's work as your own, is a form of academic dishonesty that will not be tolerated.
- **Classroom Conduct**

All students are expected to participate actively in class discussions while respecting the opinions and ideas of others. Disruptive or disrespectful behavior, including but not limited to personal attacks, offensive language, or continuous disruptions, will not be tolerated and may result in disciplinary action.

- **Technology in Class**

Unless otherwise instructed, students are expected to refrain from using laptops, tablets, and smartphones during class to avoid disrupting the learning environment.

- **Communication**

Students should check their university email accounts regularly for updates and announcements related to this course. When communicating via email, please use your university account and include the course title in the subject line.

**Note:**

The syllabus is a guide for the course and is subject to change with advanced notice. I look forward to an exciting and productive term with you.