

# COURSE DETAIL

## PSYCHOLOGICAL STATISTICS

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Psychology

**UCEAP Course Number**

17

**UCEAP Course Suffix**

A

**UCEAP Official Title**

PSYCHOLOGICAL STATISTICS

**UCEAP Transcript Title**

PSYCH STATISTICS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

### **Course Description**

This is the first course, in a two-semester course series, designed primarily for undergraduate psychology majors or minors who anticipate future applications of statistical methods. Topics covered in this course include an overview of descriptive statistics, foundational concepts in inferential statistics (probability, population, sample, sampling methods, sampling distributions, estimation of population parameters, binomial, normal, t, and F distributions), hypothesis significance testing (Type I and II errors, statistical power), and comparisons of means (t-tests, oneway analysis of variance, multiple comparisons of means, and effect sizes).

Course prerequisite: Mastery of algebra and analytical geometry at the high-school level.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

Psy1013

### **Host Institution Course Title**

PSYCHOLOGICAL STATISTICS (I)

### **Host Institution Course Details**

[https://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=207%2012301&c...](https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=207%2012301&c...)

### **Host Institution Campus**

### **Host Institution Faculty**

College of Science

### **Host Institution Degree**

### **Host Institution Department**

Department of Psychology

**Course Last Reviewed**

2024-2025

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