

# ISN113 PSYCHOLOGY STATISTICS

**Unit Description**

In Psychology Statistics, students will be provided with an introduction to the fundamental areas of statistics as applied to psychology. Topics explored in this unit include: probability and hypothesis testing, descriptive statistics, inferential statistics, and using statistics to make inferences about one, two, or more than two populations. Furthermore, this unit aims to develop students’ knowledge and application of current statistical software programs to various psychological research data sets and the ability to calculate and interpret statistical data.

**Administrative Details**

Associated higher education awards	Duration	Core or Elective	Level
Bachelor of Psychology	One semester	Core	First year, Semester 2

**Unit weighting as a percentage of the year**

Unit credit points	Total course credit points
12.5	400

### Student workload

No. timetabled hours per week	No. personal study hours per week	Total workload hours per week
4-hours (1 x 2-hour lecture; 1 x 2-hrs face-to-face tutorial)	6-hours	10-hours

### Learning Outcomes and Assessments

Learning outcomes for Unit: Upon successful completion of this unit, the student should be able to:
I. Understand, at the fundamental level, the following areas of statistics as applied to psychology: descriptive statistics, inferential statistics, using statistics to make inferences about one, two, or more than two populations
II. Develop a logical problem-solving approach regarding the choice of the correct statistics to answer various research questions
III. Develop a working knowledge of the main functions of the current statistical package
IV. Apply statistical programs to answer specific hypotheses associated with various data sets
V. Develop the ability to calculate and interpret the following: frequencies, central tendency, variability, standardized distributions, probability and sampling, introduction to both parametric and non-parametric statistical tests

### **Overview of Assessment Tasks**

Assessment Tasks	Weighting (% of total marks for unit)	Unit Learning Outcomes
Laboratory Report	40%	I, II, III, IV
Examination	30%	I, II, V
Tutorial Activities	30%	I, II, III, IV, V

### **Delivery mode**

Face to face on site; Full-time or Part-time study

### **Pre-requisites and co-requisites**

None

### **Other Resource and Requirements**

None.

*\*Unit outlines may be subject to change. The most up-to-date outlines will be provided to students once the semester commences*