

# PSY104 Research Methods and Analysis 1

**School:** School of Health - Psychology

2024 | Semester 1

UniSC Sunshine Coast  
UniSC Moreton Bay

**BLENDED  
LEARNING**

Most of your course is on campus but you may be able to do some components of this course online.

*Please go to [usc.edu.au](http://usc.edu.au) for up to date information on the teaching sessions and campuses where this course is usually offered.*

## 1. What is this course about?

### 1.1. Description

This course provides you with an introduction to the principles of scientific research and explores basic experimental designs as well as an introduction to statistical techniques used to evaluate the results of simple experimental designs. You will be introduced to scientific reporting of experimental studies.

### 1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
<b>BLENDED LEARNING</b>			
<b>Learning materials</b> – Online learning materials and activities	1hr	Week 1	13 times
<b>Tutorial/Workshop 1</b> – Workshop	2hrs	Week 1	12 times

### 1.3. Course Topics

This course is an introductory level course to research design, methodology and analysis. Topics covered include: the scientific method, measurement, descriptive statistics, correlations, inferential statistics, types of research, null hypothesis significance testing and statistical significance.

## 2. What level is this course?

100 Level (Introductory)

Engaging with discipline knowledge and skills at foundational level, broad application of knowledge and skills in familiar contexts and with support. Limited or no prerequisites. Normally, associated with the first full-time study year of an undergraduate program.

## 3. What is the unit value of this course?

12 units

#### 4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES	GRADUATE QUALITIES MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	Australian Psychology Accreditation Council
1 Explain psychology topics and issues using discipline terminology.	Knowledgeable	1.1, 1.3, 1.6
2 Distinguish between a variety of research methods used in psychological research.	Knowledgeable Creative and critical thinker	1.1.12
3 Understand the key features and concepts of descriptive and inferential statistics.	Empowered	1.1.12
4 Apply basic functions and applications of the Statistical Package for Social Scientists (SPSS).	Engaged	1.1.12
5 Report and interpret the results of statistical analyses.	Ethical Engaged	1.1.12, 1.3, 1.6

\* Competencies by Professional Body

CODE	COMPETENCY
AUSTRALIAN PSYCHOLOGY ACCREDITATION COUNCIL	
1.1.12	Graduates will be able to comprehend and apply a broad and coherent body of knowledge of psychology, with depth of understanding of underlying principles, theories and concepts in the discipline, using a scientific approach, including research methods and statistics
1.1	Graduates will be able to comprehend and apply a broad and coherent body of knowledge of psychology, with depth of understanding of underlying principles, theories and concepts in the discipline, using a scientific approach, including the following topics:
1.3	Graduates will be able to analyse and critique theory and research in the discipline of psychology and communicate these in written and oral formats.
1.6	Graduates will be able to demonstrate self-directed pursuit of scholarly inquiry in psychology.

#### 5. Am I eligible to enrol in this course?

Refer to the [UniSC Glossary of terms](#) for definitions of “pre-requisites, co-requisites and anti-requisites”.

##### 5.1. Pre-requisites

Not applicable

##### 5.2. Co-requisites

Not applicable

##### 5.3. Anti-requisites

Not applicable

##### 5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

#### 6. How am I going to be assessed?

##### 6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

## 6.2. Details of early feedback on progress

Early feedback on progress is provided to students through a formative quiz in the first 4 weeks.

## 6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Quiz/zes	Individual	0%	Unlimited and multiple attempts permitted	Week 4	Online Test (Quiz)
All	2	Quiz/zes	Individual	20%	Unlimited and multiple attempts permitted	Refer to Format	Online Test (Quiz)
All	3	Report	Individual	40%	500 words	Week 13	Online Assignment Submission with plagiarism check
All	4	Examination - Centrally Scheduled	Individual	40%	2 hours	Exam Period	Online Submission

### All - Assessment Task 1: Formative Quiz

<b>GOAL:</b>	The aim of the Multiple Choice Quizzes is for students to develop an understanding of APA 7th formatting, reporting, and styles.  This formative task allows students to practice and understand how the APA style is used within their degree.					
<b>PRODUCT:</b>	Quiz/zes					
<b>FORMAT:</b>	This assessment task requires you to complete a series of multiple-choice questions (via Canvas).					
<b>CRITERIA:</b>	<b>No.</b>					<b>Learning Outcome assessed</b>
	1	Accuracy and correctness of responses				1

### All - Assessment Task 2: Short Answer Questions

<b>GOAL:</b>	The aim of the Short Answer Quiz is for students to develop an understanding of the course content, to apply the knowledge of course content, and to demonstrate their understanding of this knowledge.					
<b>PRODUCT:</b>	Quiz/zes					
<b>FORMAT:</b>	This assessment task requires you to complete a series of multiple-choice questions (via Canvas) on the content covered in this course.  The quiz will assess content from weeks 1 - 7  The quiz will be available to complete between week 8 and week 13. See Canvas for exact dates.					
<b>CRITERIA:</b>	<b>No.</b>					<b>Learning Outcome assessed</b>
	1	Accuracy and correctness of responses				1 2

### All - Assessment Task 3: Reporting results in a research report

<b>GOAL:</b>	The goals of this task are for you to communicate your understanding of reporting data analyses correctly and format a psychology research report result section correctly.		
<b>PRODUCT:</b>	Report		
<b>FORMAT:</b>	You will answer questions and then develop an APA 7th formatted results section that accurately reports the results of a z-test.  A more detailed outline of the requirements of this assessment will be provided on Canvas.		
<b>CRITERIA:</b>	<b>No.</b>		<b>Learning Outcome assessed</b>
	1	Informative and concise summary of the skills demonstrated	3 4
	2	Informative and concise summary of the analysis	5
	3	Careful and accurate use of APA referencing and style and use of formal, academic language	5

### All - Assessment Task 4: Examination

<b>GOAL:</b>	To assess your knowledge of the course content. The end-of-semester examination will consist of multiple choice and short answer questions based on the materials covered in the learning materials, in the textbook, and in the tutorials/workshops.		
<b>PRODUCT:</b>	Examination - Centrally Scheduled		
<b>FORMAT:</b>	Multiple-choice and short-answer questions		
<b>CRITERIA:</b>	<b>No.</b>		<b>Learning Outcome assessed</b>
	1	Accuracy and correctness of responses	1 2 3

## 7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

## 8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

### 8.1. Prescribed text(s) or course reader

Please note that you need to have regular access to the resource(s) listed below. Resources may be required or recommended.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Required	Frederick J. Gravetter, Larry B. Wallnau, Lori-Ann B. Forzano	2019	Essentials of Statistics for the Behavioral Sciences	10th	Cengage Learning
Required	Dr Peter Allen, Kellie Bennett, Dr Brody Heritage	2018	SPSS Statistics: A Practical Guide with Student Resource Access 12 Months	5th	Cengage AU

### 8.2. Specific requirements

N/A

## 9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the [online induction training for students](#), and following the instructions of the University staff.

## 10. What administrative information is relevant to this course?

### 10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

### 10.2. Assessment: Additional Requirements

#### Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:

The final mark is in the percentage range 47% to 49.4%

The course is graded using the Standard Grading scale

You have not failed an assessment task in the course due to academic misconduct

### 10.3. Assessment: Submission penalties

Late submission of assessment tasks will be penalised at the following maximum rate (the rates are cumulative):

5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task

10% (of the assessment task's identified value) for the third day

20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task

A result of zero is awarded for an assessment task submitted seven days from the date identified as the due date for the assessment task. Weekdays and weekends are included in the calculation of days late.

To request an extension, you must contact your Course Coordinator and supply the required documentation to negotiate an outcome.

### 10.4. SafeUniSC

UniSC is committed to a culture of respect and providing a safe and supportive environment for all members of our community. For immediate assistance on campus contact SafeUniSC by phone: [07 5430 1168](tel:0754301168) or using the [SafeZone](#) app. For general enquires contact the SafeUniSC team by phone [07 5456 3864](tel:0754563864) or email [safe@usc.edu.au](mailto:safe@usc.edu.au).

The SafeUniSC Specialist Service is a Student Wellbeing service that provides free and confidential support to students who may have experienced or observed behaviour that could cause fear, offence or trauma. To contact the service call [07 5430 1226](tel:0754301226) or email [studentwellbeing@usc.edu.au](mailto:studentwellbeing@usc.edu.au).

### 10.5. Study help

For help with course-specific advice, for example what information to include in your assessment, you should first contact your tutor, then your course coordinator, if needed.

If you require additional assistance, the Learning Advisers are trained professionals who are ready to help you develop a wide range of academic skills. Visit the [Learning Advisers](#) web page for more information, or contact Student Central for further assistance: +61 7 5430 2890 or [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au).

### 10.6. Wellbeing Services

Student Wellbeing provide free and confidential counselling on a wide range of personal, academic, social and psychological matters, to foster positive mental health and wellbeing for your academic success.

To book a confidential appointment go to [Student Hub](#), email [studentwellbeing@usc.edu.au](mailto:studentwellbeing@usc.edu.au) or call 07 5430 1226.

## 10.7. AccessAbility Services

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, learning disorder mental health issue, injury or illness, or you are a primary carer for someone with a disability or who is considered frail and aged, [AccessAbility Services](#) can provide access to appropriate reasonable adjustments and practical advice about the support and facilities available to you throughout the University.

To book a confidential appointment go to [Student Hub](#), email [AccessAbility@usc.edu.au](mailto:AccessAbility@usc.edu.au) or call 07 5430 2890.

## 10.8. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit <https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

## 10.9. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The [Student Charter](#) sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

## 10.10. General Enquiries

### In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

**Tel:** +61 7 5430 2890

**Email:** [studentcentral@usc.edu.au](mailto:studentcentral@usc.edu.au)