

PSY202 Physiological Psychology

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 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

In this course, you will examine the structural and functional organisation of the nervous system. You will focus on interrelationships between physiological functioning with special reference to sensory processes, sleep and arousal, motivation and emotion, learning and memory and language. You will be introduced to basic principles of neuroscience that affect thought and action. In addition, you will explore the different diseases affecting brain function to understand the relationships between brain structure and function.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Tutorial/Workshop 1 – Whole of class (large class) on campus workshop - 2 hours	2hrs	Week 1	13 times
Tutorial/Workshop 2 – Small group tutorials, on campus only	1hr	Week 2	11 times
Learning materials – Online e-lecturials, quizzes, supplemental directed learning activities and reading. Includes assessment preparation and research activities	7hrs	Week 1	13 times

1.3. Course Topics

- Cell function and structure
- Neuroanatomy
- Movement
- Eating and drinking
- Vision
- Other sensory systems
- Language
- Human sexual function
- Learning and memory
- Neuroplasticity
- Executive functions
- Emotional regulation
- Dementias
- Cerebrovascular accidents
- Traumatic brain injury
- Toxins and infectious processes of the brain
- Unusual neurological/neuropsychological disorders

2. What level is this course?

200 Level (Developing)

Building on and expanding the scope of introductory knowledge and skills, developing breadth or depth and applying knowledge and skills in a new context. May require pre-requisites where discipline specific introductory knowledge or skills is necessary. Normally, undertaken in the second or third full-time year of an undergraduate programs.

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 Understand and explain the terminology and theories relating to the study of physiological psychology	Knowledgeable	1, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1, 1.3
2 Know, understand, and apply information on the structures, functions, and connections of the brain in particular, and the nervous system in general	Knowledgeable Empowered	1, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1, 1.3
3 Critically evaluate research conducted in physiological psychology, and to synthesis the information in clear and concise written arguments on topics in physiological psychology	Creative and critical thinker Empowered	1, 1.1.8, 1.1, 1.3, 1.6
4 Understand different disorders of the brain and diagnostic conditions	Knowledgeable Ethical	1, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1, 1.2, 1.3, 1.5

* Competencies by Professional Body

- 1 FOUNDATIONAL COMPETENCIES: Graduates at this level have broad and coherent knowledge and skills in the scientific discipline of psychology. Programs for foundational competencies typically comprise an APAC-accredited sequence in psychology either as part of a 3-year program leading to a Bachelor Degree or as an equivalent stand-alone sequence of psychology units combined with a Bachelor Degree in a different discipline.
- 1.1.5 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 learning and memory
- 1.1.6 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 cognition, language and perception
- 1.1.7 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 motivation and emotion
- 1.1.8 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 neuroscience and the biological bases of behaviour
- 1.1.9 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 lifespan developmental psychology
- 1.1.4 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 psychological disorders and evidence-based interventions
- 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:
- 1.2 Graduates will be able to apply knowledge and skills of psychology in a manner that is reflexive, culturally appropriate and sensitive to the diversity of individuals.
- 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.
- 1.5 Graduates will be able to demonstrate interpersonal skills and teamwork.
- 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

PSY100 and PSY101

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 will be provided in week 4 following the first online quiz. Please use this feedback to seek additional supports if necessary.

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	20%	5 x online quizzes, 30 multiple choice questions each	Refer to Format	Online Submission
All	2	Essay	Individual	40%	2000 words	Week 10	Online Submission
All	3	Examination - Centrally Scheduled	Individual	40%	2 hours and 10 minutes	Exam Period	Exam Venue

All - Assessment Task 1: Online multiple choice exams

GOAL:	The goal of the assessments is to familiarise you with the types of multiple choice questions that you will be asked in the final exam, to apply the knowledge of the course content, and to demonstrate your understanding of this knowledge.		
PRODUCT:	Quiz/zes		
FORMAT:	Online MCQ exams will be available on Canvas across the semester and will cover the content of the learning materials and text book chapters from the weeks immediately prior to the Quiz. Each quiz will be worth 5 percent, for 25 percent in total. Due dates for quizzes will be available will be given in Week 1 and provided on Canvas.		
CRITERIA:	No.		Learning Outcome assessed
	1	Knowledge and comprehension of related course content	1 2 3 4
	2	Recognition, evaluation and application of theories within various contexts	1 2 3

All - Assessment Task 2: Essay

GOAL:	The goal of this assessment is to communicate your understanding of a topic in physiological psychology in an academic and formal way, using current research literature to evaluate and analyse the essay question. You will be given the topic for the essay in Week 1 and further information and guidelines will be placed on Canvas at that time.
PRODUCT:	Essay
FORMAT:	The word limit for the essay is 2000 words (± 10 percent) and includes headings and the in-text citations (inside and outside the brackets), but not the title page or reference list. Include the word count on your title page. Your essay should be submitted in Week 10, details to be provided on Canvas.

CRITERIA:	No.	Learning Outcome assessed	
	1	Situation of essay in topic area, identification of appropriate concepts and processes, and definition of key terms	1 2 4
	2	Reference to current experimental research	3
	3	Correctness and accuracy of relevant information, that is without omission	1 2 4
	4	Clarity of expression appropriate to the audience	3
	5	Evidence of critical analysis of the research literature and original thinking	3
	6	Appropriate organisation, including APA style	1

All - Assessment Task 3: Examination

GOAL:			
PRODUCT:	Examination - Centrally Scheduled		
FORMAT:	The final examination will contain multiple choice and short answer questions that cover material that is selected from the whole curriculum.		
CRITERIA:			
	No.	Learning Outcome assessed	
	1	Accuracy of responses	1 2 3 4
	2	Knowledge and comprehension of related course content	1 2 3 4
	3	Recognition, evaluation, and application of theories within various contexts	1

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	James W. Kalat	2019	eTextbook: Biological Psychology, 13th Edition	13	Cengage

8.2. Specific requirements

Please make yourself aware of the following information on the Policies and Procedures of Assessment of Courses, <http://www.usc.edu.au/university/governance-and-executive/policies-and-procedures/academic-learning-and-teaching/assessment-courses-and-coursework-programs-procedures.htm> and the Policies and Procedures for academic misconduct, <http://www.usc.edu.au/explore/policies-and-procedures/student-academic-misconduct-academic-policy>

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

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 may be penalised at the following maximum rate:

- 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 after 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 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.

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.

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.

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 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 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