



# Course Outline (Higher Education)

<b>Institute / School:</b>	Institute of Health and Wellbeing
<b>Course Title:</b>	COGNITIVE AND BIOLOGICAL PSYCHOLOGY
<b>Course ID:</b>	PSYCG4107
<b>Credit Points:</b>	15.00
<b>Prerequisite(s):</b>	(Any two PSYCB 2000 level courses and a PSYCB 3000 level course)
<b>Co-requisite(s):</b>	Nil
<b>Exclusion(s):</b>	Nil
<b>ASCED:</b>	090701

## Description of the Course:

This course is designed to enable students to gain an understanding of the main areas in cognitive psychology and biological psychology, and to become acquainted with the research methods employed in both fields. The course will cover a range of topics in experimental cognitive psychology, cognitive neuroscience, and biological psychology, including the biological foundations of behaviour (functional neuroanatomy, neurophysiology, and psychopharmacology), attention and perception, memory, language, and thinking. Course content is delivered through a combination of online resources, theoretical text readings, and classes.

**Grade Scheme:** Graded (HD, D, C, P, MF, F, XF)

**Placement Component:** No

**Supplementary Assessment:** Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks.

## Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Learning Outcomes:

**Knowledge:**

- K1.** Identify and describe the major areas in cognitive psychology and a range of topics in biological psychology, including relevant terms, concepts, theories, and research.
- K2.** Evaluate and explain the importance of relevant research studies and advancements in cognitive and biological psychology.
- K3.** Identify and describe the main research methods used in cognitive and biological psychology.

**Skills:**

- S1.** Develop skills to critically review and evaluate the literature in cognitive and biological psychology
- S2.** Develop advanced skills to conduct experimental research to generate solutions to complex problems
- S3.** Further develop skills in the transmission of information in the form of a research report using APA conventions

**Application of knowledge and skills:**

- A1.** Apply relevant skills and knowledge to critically evaluate psychological literature and concepts.
- A2.** Apply relevant skills and knowledge to prepare a report using APA conventions.
- A3.** Apply relevant skills and knowledge in linking experimental cognitive psychology and the biological bases of behaviour to real world applications.

**Course Content:**

This course is designed to enable students to gain an understanding of the main areas of cognitive and biological psychology.

Topics may include:

- Introduction to the historical background, broad issues, and methodologies of experimental cognitive psychology, cognitive neuroscience, and biological psychology.
- Biological foundations of behaviour, including an introduction to functional neuroanatomy, neurophysiology, and psychopharmacology.
- Concepts and theories related to perception, attention, memory, language, and thinking (judgement and decision-making, reasoning, and problem solving), along with relevant biological correlates.

**Graduate Attributes**

The Federation University Federation graduate attributes (GA) are entrenched in the [Higher Education Graduate Attributes Policy](#) (LT1228). FedUni graduates develop these graduate attributes through their engagement in explicit learning and teaching and assessment tasks that are embedded in all FedUni programs. Graduate attribute attainment typically follows an incremental development process mapped through program progression. **One or more graduate attributes must be evident in the specified learning outcomes and assessment for each FedUni course, and all attributes must be directly assessed in each program**

Graduate attribute and descriptor		Development and acquisition of GAs in the course	
		Learning Outcomes (KSA)	Assessment task (AT#)
GA 1 Thinkers	Our graduates are curious, reflective and critical. Able to analyse the world in a way that generates valued insights, they are change makers seeking and creating new solutions.	K1, K2, K3, S1, S2, A1, A3	AT1, AT2, AT3
GA 2 Innovators	Our graduates have ideas and are able to realise their dreams. They think and act creatively to achieve and inspire positive change.	K2, S1, S2, A1, A2, A3	AT2
GA 3 Citizens	Our graduates engage in socially and culturally appropriate ways to advance individual, community and global well-being. They are socially and environmentally aware, acting ethically, equitably and compassionately.	K2, S1, A1, A3	AT1
GA 4 Communicators	Our graduates create, exchange, impart and convey information, ideas, and concepts effectively. They are respectful, inclusive and empathetic towards their audience, and express thoughts, feelings and information in ways that help others to understand.	K2, S1, S3, A1, A2	AT2
GA 5 Leaders	Our graduates display and promote positive behaviours, and aspire to make a difference. They act with integrity, are receptive to alternatives and foster sustainable and resilient practices.	A3	AT1, AT3

### Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K3, S1, S2, S3, A1, A2, A3	Quizzes to test knowledge of practical component and experimental research related to topics covered in lectures	Quizzes	10-20%
K1, K2, K3, S1, S2, S3, A1, A2	Produce a written assessment requiring an understanding of experimental research and a critical evaluation of the literature that follows appropriate conventions	Written Assignment	30-50%
K1, K2, K3, S1, A1, A3	Examination: Review of lecture and readings content	Exam(s)	40-60%

### Adopted Reference Style:

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)