



Course Outline

PSYC3241

Psychobiology of Memory

School of Psychology

Faculty of Science

T1, 2022

Please note that all students and staff must follow relevant University policies related to COVID at all times.

Some links that should be of help in navigating these issues are listed below (note that these links are likely to be regularly updated as policies/situations change):

<https://www.covid-19.unsw.edu.au/>

<https://www.covid-19.unsw.edu.au/information-students>

https://www.student.unsw.edu.au/student-support-unsw?mc_cid=6abfed26c1&mc_eid=c9dc7010df&mc_cid=bb17b6a5c0&mc_eid=c9dc7010df

1. Staff

Position	Name	Email	Consultation times and locations	Contact Details
Course Convenor	Prof. Rick Richardson	r.richardson@unsw.edu.au	By appointment, Mathews 511	9385 1048
Lecturer	Prof. Rick Richardson	r.richardson@unsw.edu.au	By appointment, Mathews 511	9385 1048
Lecturer	Associate Professor Bronwyn Graham	bgraham@psy.unsw.edu.au	By appointment 1302 Mathews	9385 3886
Lecturer	Dr Kathryn Baker	k.baker@unsw.edu.au	By appointment, Mathews 508	9065 1795
Lecturer	Sylvia Harmon-Jones	s.harmon-jones@unsw.edu.au		
Tutors	Sylvia Harmon-Jones Aqsa Shahid Tayla McCutcheon Jess Brandt	s.harmon-jones@unsw.edu.au aqsa.shahid@unsw.edu.au tayla.mccutcheon@student.unsw.edu.au j.brandt@student.unsw.edu.au	By appointment	Via email

2. Course information

Units of credit: 6

Pre-requisite(s): PSYC2001 and PSYC2081

Teaching times and locations: [PSYC3241 Timetable](#)

2.1 Course summary

This course examines research and theory on memory as they underpin adaptive behaviour. The focus is primarily on animal research but the application of this work to the understanding of memory in humans will be made explicit. For example, the implications of this work for our understanding of memory disorders in humans, and the origin and treatment of clinical disorders will be discussed. The course is divided into the following broad topics: basic concepts of memory; consolidation and reconsolidation; fear memory; spatial memory; extinction of learned fear; forgetting; and translating research from animals to humans.

The laboratory component of the course typically provides some various aspects of rodent behaviour that are frequently used in studies on the psychobiology of memory. However, due to COVID-related issues we will not be doing this year. Nonetheless, we will provide ample opportunities for you to observe aspects of rodent

presented in lectures, please contact the lecturer for assistance, or raise the issue in the Discussion Forum on the course Moodle page, or attend one of the weekly Zoom meetings).

2.2 Course aims

The overall aim of this course is for students to develop and gain further understanding of the psychobiology of memory. Behavioural experiments demonstrating the basic concepts associated with memory, and forgetting, will be described as will experiments that are aimed at determining the neural bases of memory and forgetting.

2.3 Course learning outcomes (CLO)

At the successful completion of this course the student should be able to:

1. Demonstrate an

2.4 Relationship between course and program learning outcomes and assessments

Program Learning Outcomes					
CLO	1. Knowledge	2. Research Methods	3. Critical Thinking Skills	4. Values and Ethics	5. Communication,

3. Strategies and approaches to learning

3.1

arrangements need to be made regarding access to the course material. Letters of support must be emailed to the course coordinator as soon as they are made available.

4. Course schedule and structure

Each week this course typically consists of approximately 2 hours of lecture material, 1.25 hours of tutorials, and 8 hours of online modules and/or self-determined activities (i.e., reading, work on assessments, exam preparation, and revision).

Week	Lecture topic/s	Tutorial/lab topics	Online modules	Self-determined activities
Week 1 14/02/2022	Memory consolidation, modulation, and reconsolidation	how to write a research proposal	see course Moodle page for details for any specific modules for this week	Reading(s) on: memory consolidation memory modulation memory reconsolidation Revision; mid-semester

Week 5 14/03/2022	Behavioural and neural aspects of fear extinction (Part 2)	Online tutorial . do in your own time this week	see course Moodle page for details for any specific modules for this week	Reading
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5. Assessment

5.1 Assessment tasks

All assessments in this course have been designed and implemented in accordance with UNSW Assessment Policy.

Assessment task	Length	Weight	Mark	Due date
Assessment 1: Formative quiz	3 MCQ & 1 short answer	0% (formative)	N/A	N/A
Assessment 2: Mid-session exam	45 min	20%	/100	15/03/2022
Assessment 3: Research proposal	1000-1250 words	30%	/100	22/04/2022
Assessment 4: Final exam	2 hrs	50%	/100	Exam period

Assessment 1: This online quiz will consist of 3 multiple-choice questions and one short-answer question, and will be released on Friday 4 March. Students can take it whenever 0 G.15 Tm0 g0 G(i)-6(0000886.384 4

6. Academic integrity, referencing and plagiarism

The APA (7th edition) referencing style is to be adopted in this course. Students should consult the publication manual itself (rather than third party interpretations of it) in order to properly adhere to APA style conventions. Students do not need to purchase a copy of the manual as it is available in the

7. Readings and resources

Textbook	Nil
Course information	Available on Moodle
Required readings	School of Psychology Student Guide. Refer to Section 4 of this outline and the Assessable Readings listed under each week on Moodle
Recommended internet sites	UNSW Library UNSW Learning Centre ELISE Turnitin Student Code of Conduct Policy concerning academic