



Course Outline

PSYC3221

Vision and Brain

School of Psychology

Faculty of Science

T1, 2019

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1. Staff

Position	Name	Email	Consultation times and locations	Contact Details
Course Convenor	Prof Colin Clifford	colin.clifford@unsw.edu.au	Email or phone for questions or appointments, or consult immediately following lectures.	Mathews 1013 9385-1050
Lecturer	Prof Colin Clifford	colin.clifford@unsw.edu.au	Email or phone for questions or appointments, or consult immediately following lectures.	Mathews 1013 9385-1050
Lecturer	Dr Colin Palmer	colin.palmer@unsw.edu.au	Email or phone for questions or appointments, or consult immediately following lectures.	Mathews 1015 9385-2347

Lecturer

2. Course information

Units of credit:	6
Pre-requisite(s):	PSYC2071 Perception and Cognition PSYC2001 Research Methods 2
Teaching times and locations:	PSYC3221 Timetable

2.1 Course summary

“Attempts to construct computer models for the recognition and interpretation of arbitrary scenes have resulted in such poor performance, limited range of abilities and inflexibility that, were it not for the human existence proof, we may have been tempted long ago to conclude that high performance, general purpose vision is impossible.” (Barrow & Tannenbaum, 1971).

Although written over 40 years ago, the above statement is still pertinent and relevant today: while seemingly effortless, human visual perception is a complex achievement taking up 40% of the entire cortex. In this course, the problem of visual processing will be considered from ecological, physiological, philosophical, and computational perspectives. The general orientation of the course is a theoretical one but applied aspects such as the role of basic perceptual processes in disorders such

2.4 Relationship between course and program learning outcomes and assessments

	Program Learning Outcomes		Related Activities
CLO	1. Knowledge	2. Research Methods	

3. Strategies and approaches to learning

3.1 Learning and teaching activities

This course provides an advanced treatment of theoretical, physiological and computational approaches in the study of visual perception. It follows on, and assumes knowledge, from PSY

4. Course schedule and structure

Week	Lecture topic/s	Tutorial/lab topics	Online modules	Self-determined activities
Week 1 18/02/2019	MON: The Scope of Perception: Why do things look as they do? WED: Theoretical approaches to perception- Part 1 (Branka)			Readings:

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
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Assessment 1: Mid-session exam

6. Academic integrity, referencing and plagiarism

The APA (6th 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, it is available in the library or online. This resource is used by assessment markers and should be the only resource used by students to ensure they adopt this style appropriately:

[APA 6th edition.](#)

	UNSW Equity and Diversity policy statement UNSW Equal opportunity in education policy statement
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8. Administrative matters

The [School of Psychology Student Guide](#) contains School policies and procedures relevant for all students enrolled in undergraduate or Masters psychology courses, such as:

- Attendance requirements
- Assignment submissions and returns
- Assessments
- Special consideration
- Student code of conduct
- Student complaints and grievances
- Disability Support Services
- Health and safety

It is expected that students familiarise themselves with the information contained in this guide.

9. Additional support for students

- The Current Students Gateway: <https://student.unsw.edu.au/>
- Academic Skills and Support: <https://student.unsw.edu.au/academic-skills>
- Student Wellbeing, Health and Safety: <https://student.unsw.edu.au/wellbeing>
- Disability Support Services: <https://student.unsw.edu.au/disability-services>
- UNSW IT Service Centre: <https://www.it.unsw.edu.au/students/index.html>