

University of New South Wales

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2023

PSYC3221
 2023
 Term 2
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 In person
 Standard
 Kensington

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PSYC3221
 2023
 Term 2
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 Faculty of Science
 School of Psychology
 In person
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Sydney

Undergraduate

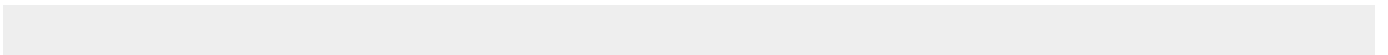
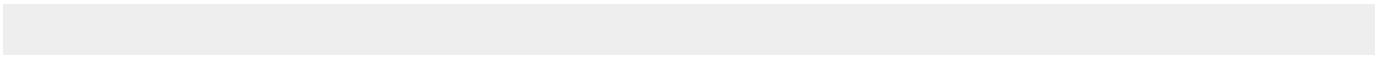
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[Handbook Class Timetable](#)

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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 PSYC2071 Perception and Cognition or a similar introductory coverage of perception. The general orientation of the course is a theoretical one but applied aspects such as the role of

basic perceptual processes in disorders such as autism and schizophrenia, and the implications for the design of effective visual displays



CLO4 : Communicate scientific information and research findings in written format.

- Novel research project individual research report

CLO5 : Integrate and embed principles of perceptual

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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
- Equitable Learning Services ☒
- Health and safety ☒

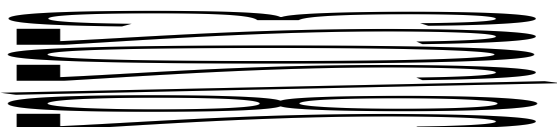
It is expected that students familiarise themselves with the information contained in this guide

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e e e n t s t t		e l We e i
Mid-term test Assessment Format Individual	20%	Start Date 27/06/2023 12:00 PM Due Date 27/06/2023 12:00 PM Post Date 27/06/2023 12:00 PM
Novel research project group presentation Assessment Format Group	15%	Start Date Week 10 Tutorials Due Date Week 10 Tutorials Post Date 01/05/2023 12:00 AM

Novel research project individual research report Assessment Format Individual	25%	Start Date Not Applicable Due Date 07/08/2023 11:59 PM
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1 hour: 30 Multiple choice questions, plus 2 short essay questions.

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N/A

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This is not a Turnitin assignment

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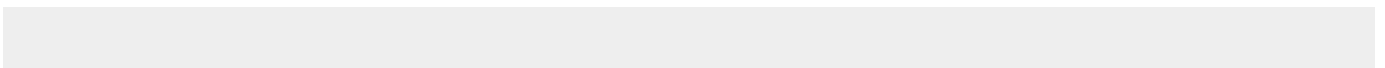
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The teaching staff will be available to advise you during all stages of your project and all aspects of this

or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or



Activity	Supplementary Video: Sebastian Seung: I am my connectome TED talk - TED.com Revision Material: Week 1 Quiz
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Reading

von Tonder, G. & Ejima, Y. (2000) [Bottom-up clues in target](#)

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Online
Activity

Supplementary Video:

[Understanding visual scenes: Where are we?](#)

July		FLEXIBILITY WEEK!
Week 7 : 10 July - 14 July	Lecture	TUE (12-1pm, MAT B): Motion Processing Part 2 - The Aperture Problem (Colin C.) WED (2-3pm, MAT D): Motion Processing Part 3 - from Single Neurons to Population Codes (Colin C.)

Tut-Lab

Group Research Project Experiment Deployment & Data Collection

	Reading	Wardle SG and Baker CI. Recent advances in understanding object recognition in the human brain: deep neural networks, temporal dynamics, and context . 2020, 9(F 1000 Faculty Rev):590 Vision and Attention: Visual Attention in the Prefrontal Cortex . Julio Martinez-Trujillo. Annual Review of Vision Science 2022 8:1, 407-425
Week 10: 31 July - 4 August	Assessment	Group research project presentations will be held in Week 10. Further details will be announced closer to the assessment date.
	Lecture	TUE (12-1pm, MAT B): Vision in Autism (Branka S.) WED (2-3pm, MAT D): Vision in Schizophrenia (Branka S.)
	Tut-Lab	Group Research Project Poster Presentations
	Online Activity	Revision Material Week 10 Quiz
	Reading	Robertson, CE, & Baron-Cohen, S. (2017). Sensory perception in autism . , 18(11), 671-684. Butler, PD, Silverstein, SM, & Dakin, SC. (2008). Visual perception and its impairment in schizophrenia . , 64, 40- 47.

t u e e e e r e i

Students are required to attend all tutorials in order to be able to carry out the required novel group research project.

t u l e e r l e e S r i o o

Each week there are two one hour lectures (delivered in-person and recorded) and 2 hours of tutorials (in-person).

Lectures start in Week 1 (first lecture on Tuesday 30/05/2023) and finish in Week 10 (last lecture on Wednesday 02/08/2023) with NO lectures in Week 6.

Laboratory/tutorial classes run from Week 2 until Week 10, with NO



Students are expected to take an additional 5-7 hours of study per week to engage in other self-determined study to complete assessments, readings, optional activities, exam preparation/revision and engage with their research group.

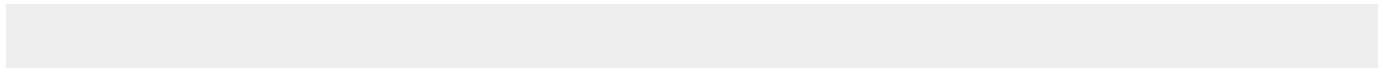
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This course does not have a prescribed textbook. Instead, there are weekly readings available for

(T2 2022 overall satisfaction rate of 100 and average satisfaction score of 5.17/6). This is something that we are very proud of and motivated to keep.

t u e r u l e i o o

- The tutorials really helped me develop my knowledge and skills in conducting my own research. It helped me understand the ins and outs of what it takes to conduct a research experiment and as a science major this helped me gain skills I didn't have before.
- The professors and tutor were very accessible and wanted all students to succeed.
- Interesting, engaging and thought-provoking, very hands on kind of work even though we spend 2 hours every week working on one thing, they all felt like so much progress and there was never a time we were lost as the teachers are always there to help;
- We were offered very detailed feedback in the tutorials.
- The group project was the best assessment task I've ever done in any course. Being so in control of the process from forming the research question to designing the experiment, then running it with real people and getting the results was so much fun. I loved it.
- it would really help if there were more resources, especially with the assessment tasks, and more questions to help us prepare for mid-semester or finals. The individual report would have helped lots if there was a guide an information pdf form of the assessment brief and what is expected. Maybe more of the



You are required to:

- Comply with the University's conditions of enrolment.
- Act responsibly, ethically, safely and with integrity.
- Observe standards of equity and respect in dealing with every member of the UNSW community.
- Engage in lawful behaviour.
- Use and care for University resources in a responsible and appropriate manner.
- Maintain the University's reputation and good standing.

For more information, visit the [UNSW Student Code of Conduct Website](#).

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e e l i r o i

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism. Further information about referencing styles can be located at <https://student.unsw.edu.au/referencing>

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Referencing is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage. At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.

Further information about academic integrity and plagiarism can be located at: [https://student.unsw.edu.au/academic-integrity](#)

- The Current Students site <https://student.unsw.edu.au/plagiarism>, and
- The ELISE training site <http://subjectguides.library.unsw.edu.au/elise/presentation>

The Student Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: <https://student.unsw.edu.au/conduct>

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s l u e r e S o i i o

UNSW has a standard late submission penalty of:

- 5% per day, for all assessments where a penalty applies,

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If circumstances prevent you from attending/completing an assessment task, you must officially apply for special consideration, usually within 3 days of the sitting date/due