Course Outline

PSYC3211

Cognitive Science

School of Psychology

Faculty of Science

T1, 2020

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1. Staff

Position	Name	Email	Consultation times & locations	Contact Details
Course Convenor	A/Prof Mike Le Pelley	m.lepelley@unsw.edu.au	By appointment Mathews 1003	9385 1294
Lecturers	Prof Ben Newell	ben.newell@unsw.edu.au	By appointment Mathews 701	9385 1606
	Prof Brett Hayes	b.hayes@unsw.edu.au	By appointment Mathews 713	9385 3713
	A/Prof Chris Donkin	c.donkin@unsw.edu.au	By appointment Mathews 706	9385 9444

IQ tests really measure intelligence (and if not, what DO they measure)? How do people use their past experience to solve new problems?

2.2 Course aims

This course aims to provide you with an advanced-level understanding of the current theories, methods and controversies in four key areas of cognitive psychology: 1) Judgment and Decision-making; 2) Theory and Models; 3) Categorisation and Reasoning; and (4) Intelligence and Thinking. It will equip you with a broad understanding of the core principles of cognition, and give you the tools to think about how to improve reasoning, decision and memory processes across a range of applied areas (e.g., medical, legal, environmental and financial).

2.3 Course learning outcomes   (CLO)

At the successful

2.4 Relationship between course and program learning outcomes   and assessments

| CLO | Program Learning Outcomes | | | | | | Assessment |
	1. Knowledge	2. Research Methods	3. Critical Thinking Skills	4. Values and Ethics	5. Communication, Interpersonal and Teamwork	6. Application	
1.	Lectures, tutorials, online modules, revision quizzes	Lectures, tutorials, online modules, revision quizzes					Mid-session exam, Final exam
2.	Lectures, tutorials, online modules, revision quizzes	Lectures, tutorials, online modules, revision quizzes	Lectures, tutorials, online modules, revision quizzes			Lectures, tutorials, online modules, revision quizzes	Mid-session exam, Research Report, Final exam
3.	Lectures, tutorials, online modules, revision quizzes	Lectures, tutorials, online modules, revision quizzes	Lectures, tutorials, online modules, revision quizzes				Mid-session exam, Research Report, Final exam
4.					Tutorials, presentations, online activities		Research Report
5.	Lectures, tutorials, online modules, revision quizzes			Lectures, tutorials, online modules, revision quizzes		Lectures, tutorials, online modules, revision quizzes	Mid-session exam, Research Report, Final exam

3. Strategies and approaches to learning

3.1 Learning and teaching activities

This course provides an advanced treatment of cognitive psychology. It follows on, and assumes knowledge, from PSYC2071 Perception and Cognition.

Lectures: The primary objective of the lecture course is to investigate cognition in depth and to relate different areas of cognition to each other. You should come away from the course with a good understanding of the main issues in current research on categorisation, reasoning, memory, intelligence and decision making. The main aim is to provide a conceptual understanding of the issues. The mid-session and final exam will test this understanding. We shall attempt to pose questions in these exams that test your conceptual understanding rather than your ability to reproduce the lecture notes.

Tutorials: The tutorials will be a combination of demonstrations of 'classic' experimental phenomena, hands-on implementation of computational tools, and the opportunity to devise, implement and analyse an experiment. As such the tutorials teach specific skills that are of central importance to cognitive scientists. These are: 1) to critically evaluate empirical findings and journal articles; 2) to design novel tests of existing theories and to implement those designs in laboratory-based experiments.

3.2 Expectations of students

It is expected that students are aware of UNSW Assessment policy and understand how to apply for special consideration if they are unable to complete an assignment/exam due to illness and/or misadventure.

It is expected that students have read through the School of Psychology Student Guide.

All news updates and announcements will be made on the 'Announcements' forum on the Moodle page and/or by email. It is the student's responsibility to check Moodle and their student emails regularly to keep up to date.

The final exam for this course will take place on campus during the UNSW examinations period. Students should not arrange travel during the UNSW exam period until the date of the final exam has been released. Students who arrange travel prior to the release of the final exam date will not be granted consideration in the event they are scheduled to be out of country when the final exam is to occur. This is especially important for study abroad students – do not arrange travel home until the final exam date has been released.

Students registered with Equitable Learning Services must contact the course co-ordinator immediately if they intend to request any special arrangements for later in the course, or if any special 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 2 hours of face-to-face lecture material, 2 hours of face-to-face tutorials, and 8 hours of online modules and/or self-determined activities (i.e. reading, work on assessments, exam preparation and revision).

Week		Online lectures	Revision quizzes	Tutorial/lab topics	Online modules	Self-determined activities

Week 9 13/04/2020	Intelligence & Thinking (1) Intelligence & Thinking (3)	Intelligence & Thinking (2)	Lecturer-created revision quizzes	Theory & Models practical	–	Assigned readings; revision; work on research report; final exam prep.
Week 10 20/04/2020	Intelligence & Thinking (4) Intelligence & Thinking (6)	Intelligence & Thinking (5)	Lecturer-created revision quizzes	No tutorial	Intelligence Online Module	Assigned readings; revision; work on research report; final exam prep.
Study period 29/04/2020						Exam preparation, revision
Exam period 02/05/2020						Exam preparation, revision

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: Topi7 625.n3C Q450-005 g/Tt

Special Consideration: Students who are unable to complete an assessment task by the assigned due date can apply for special consideration. Students should also note that UNSW has a Fit to Sit/Submit rule for all assessments. If a student wishes to submit an application for special consideration for an exam or assessment, the application must be submitted prior to the start of the exam or before an assessment is submitted. If a student sits the exam/submits an assignment, they are declaring themselves well enough to do so and are unable to subsequently apply for special consideration. If a student becomes ill on the day of the exam, they must provide evidence dated within 24 hours of the exam, with their application.

responsibility and courage.[1] 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:

- x   The Current Students site https://student.unsw.edu.au/plagiarism, and

- x   The ELISE training site http://subjectguides.library.unsw.edu.au/elise

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

7. Readings and resources

Textbook (suggested)	A suggested text for the Intelligence component is: Mackintosh, N. IQ and Human Intelligence 2e A suggested text for the Decision Making component is Newell et al. Straight Choices: The Psychology of Decision Making 2e
Course information	Available on Moodle
Required readings	Specific readings will be provided during the course lectures and tutorials. School of PsychologBT0x2bSdd 10.02 2.9 (t)0.50oochool of Psovi<

- x   Equitable Learning Services
- x   Health and safety

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

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