PSY 344

Neuropsychology in Clinical Practice

S2 Day 2019

Department of Psychology

Contents

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General Information

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Credit points
3

Prerequisites
6cp at 200 level including (PSY236(P) or PSY246(P) or PSY237 or PSY247(P) or BIOL257 or HLTH214)

Corequisites

Co-badged status

Unit description

This unit provides an introduction to the academic disciplines of cognitive and clinical neuropsychology, and is taught by academic staff and practicing clinicians. Students will learn how research informs clinical practice, what can be gained from studying individual cases, and how scores on standardised tests can be interpreted. Successful completion of this unit gives students an understanding of normal and abnormal functional neuroanatomy, principles of neuropsychological assessment, and of common and uncommon manifestations of acquired and developmental brain injury. One of the learning objectives of this unit is to provide an insight into the profession of neuropsychology. This unit does not prepare students for clinical practice, but familiarises them with the scientist-practitioner role of a clinical neuropsychologist.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

Demonstrate knowledge of brain-behaviour relationships.

Understand the range of clinical applications of what we understand about the brain-behaviour relationship.

Interpret data presented in research publications and evaluate the interpretations of others.

Demonstrate effective written and oral communication skills through assessments and class-based discussions.

Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment Tasks

Name	Weighting	Hurdle	Due
Mid-Session Test	25%	No	26/8/2019
Essay	25%	No	4/10/2019
Final Exam	50%	No	Exam Period

Mid-Session Test

Due: **26/8/2019**

Weighting: **25%**

Multiple choice test held during the Week Five lecture, consisting of 40 questions each with 5 response options (50 min test duration), and covering material presented in the first four lectures AND the first tutorial.

On successful completion you will be able to:
- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Essay

Due: **4/10/2019**
Weighting: **25%**

The essay has a word limit of 1500 words and must adhere to the following format: double-spacing, 12-point font, Times New Roman and a margin of 2.54 cm. Essays must be submitted online via Turnitin which can be accessed in iLearn.

The usual penalties apply for late submission and exceeding the word limit:

Penalty for late submission: The penalty for late submission is 5% of the maximum mark per day overdue. For this assignment, worth 25%, this means that every day late will result in the loss of 5% (0.05) x 25 = 1.25 marks from the total mark (out of 25) for the assignment.

Penalty for exceeding word limit: For every 100 words over the word limit a penalty of 5% will be applied. This means that for this assignment that is worth 25%, every 100 words over the word limit will result in the loss of 5% (0.05) x 25 = 1.25 marks from the total mark (out of 25) for the assignment.

You only get one submission so please make sure that you submit the correct assignment. If you submit the incorrect assignment, please let Greg know before the due time.

On successful completion you will be able to:
- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Interpret data presented in research publications and evaluate the interpretations of others.

• Demonstrate effective written and oral communication skills through assessments and class-based discussions.

Final Exam

Due: **Exam Period**

Weighting: **50%**

Held in exam period at the end of session (2 hours plus 10 min reading time). The exam will consist of 40 multiple choice questions each with 5 response options (drawn from lecture content covered in weeks 6 to 13 inclusive) and two extended responses (one from each of two sections) from four options (drawn from tutorial content covered in weeks 4 to 13 inclusive).

On successful completion you will be able to:

• Demonstrate knowledge of brain-behaviour relationships.

• Understand the range of clinical applications of what we understand about the brain-behaviour relationship.

• Demonstrate effective written and oral communication skills through assessments and class-based discussions.

• Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Delivery and Resources

Lectures

Number of lectures: 11

Time: Monday 4 pm - 6 pm

Venue: 17WW

Tutorials/Practicals

Number of classes: 6 tutes, run in 5 classes each

Duration: 2 hours. Note that the Week 2 tutes take place in computer labs, however; they are only 1 hour long and take place at different times and locations from the usual tutes (which they replace)--see iLearn for final details.

Venue: see timetable (except for Week 2--see iLearn)

Students enrolled in the iLecture attendance mode can access the recording of the lecture through iLearn, but must attend the compulsory tutorial/practical class.

Class timetables can be found on the University web site at http://www.timetables.mq.edu.au.

Managing Classes: Changes to all units can be done on-line via eStudent. After the designated last day to add units, no further changes will be allowed unless supporting documentation about the reason for changing is provided and there is space in the tutorial you wish to change into. All requests for changes after the last day to add units should be directed to the concerned tutors.

Required Texts

Kolb, B. & Whishaw, I.Q. (2015). *Fundamentals of Human Neuropsychology* (Seventh Edition), New York, Worth Publishers.

Learning and Teaching Strategy

This unit is taught as a series of lectures and tutorials. You are expected to actively learn by asking questions and by participating in discussion or other exercises organised by the teaching staff. You are also expected to read the set chapters or papers before the tutorials and lectures. Your performance on the essay will be helped by reading beyond the prescribed materials. You are encouraged to use the Discussion Forum on iLearn for small group discussions about course content.

Unit Schedule

Week	Lecture Date	Topic	Lecturer	Text	Tutorial
1	29 Jul	Introduction to Neuropsychology	Prof Greg Savage	Ch.1	
2	5 Aug	Neuropsychological Assessment	Prof Greg Savage	Ch.28	Neuroanatomy
3	12 Aug	Neuropsychology and Neuropsychiatric Conditions	Mr Andrew Rock	Ch.27	
4	19 Aug	Brain Imaging	A/Prof Blake Johnson	Ch.7	Executive Function
5	26 Aug	Multiple Choice Test (one hour only: surnames A-M 16:00-17:00, N-Z 17:00-18:00)	Prof Greg Savage		
6	2 Sep	Dementia	Dr Heather Francis	Ch.27	Dementia
7	9 Sep	Language / Amnesia	Prof Greg Savage	Ch.19/ 18	
		MID-SESSION BREAK			

8	30 Sep	Addiction and its Rehabilitation	Dr Jamie Berry	TBA	Language / Amnesia
9	07 Oct	No Class (Labour Day Holiday)			
10	14 Oct	Visuospatial Disorders	A/Prof Jenny Batchelor	Ch.13	
11	21 Oct	Neuropsychological Intervention	A/Prof Melanie Porter	Ch.25	Stroke
12	28 Oct	Traumatic Brain Injury	A/Prof Jenny Batchelor	Ch.26	
13	4 Nov	Paediatric Neuropsychology	A/Prof Melanie Porter	Ch.24	Paediatric Neuropsychology

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

Undergraduate students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/study/getting-started/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released

directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- Workshops
- StudyWise
- Academic Integrity Module for Students
- Ask a Learning Adviser

Student Services and Support

Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

Creative and Innovative

Our graduates will also be capable of creative thinking and of creating knowledge. They will be imaginative and open to experience and capable of innovation at work and in the community. We want them to be engaged in applying their critical, creative thinking.

This graduate capability is supported by:

Learning outcomes

- Interpret data presented in research publications and evaluate the interpretations of

others.

- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Capable of Professional and Personal Judgement and Initiative

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

Learning outcomes

- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Commitment to Continuous Learning

Our graduates will have enquiring minds and a literate curiosity which will lead them to pursue knowledge for its own sake. They will continue to pursue learning in their careers and as they participate in the world. They will be capable of reflecting on their experiences and relationships with others and the environment, learning from them, and growing - personally, professionally and socially.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Interpret data presented in research publications and evaluate the interpretations of others.
- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Interpret data presented in research publications and evaluate the interpretations of others.
- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
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Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Interpret data presented in research publications and evaluate the interpretations of others.

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Assessment tasks

- Mid-Session Test
- Essay
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Effective Communication

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess, write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

Learning outcomes

- Demonstrate knowledge of brain-behaviour relationships.
- Understand the range of clinical applications of what we understand about the brain-behaviour relationship.
- Interpret data presented in research publications and evaluate the interpretations of others.
- Demonstrate effective written and oral communication skills through assessments and class-based discussions.
- Critically analyse relevant theories, models and empirical research in neuropsychology in clinical practice.

Assessment tasks

- Mid-Session Test
- Essay
- Final Exam

Changes since First Published

Date	Description
16/09/2019	Themes of formerly "TBA" tutorials now provided.

Date	Description
16/08/2019	Penalties for late submission of essay included, and listing of extra tutor Mitch Byrne.